

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102620\
 Data File : VD067384.D
 Acq On : 26 Oct 2020 11:20
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Oct 27 00:49:57 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 19 19:13:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	324181	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	458621	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	414856	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	206220	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	141982	43.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.44%	
35) Dibromofluoromethane	7.91	113	150905	49.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.88%	
50) Toluene-d8	10.34	98	547566	49.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.14%	
62) 4-Bromofluorobenzene	12.64	95	188160	48.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.98%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	120707	46.041	ug/l	96
3) Chloromethane	2.21	50	82547	40.460	ug/l	99
4) Vinyl Chloride	2.35	62	98199	43.867	ug/l	99
5) Bromomethane	2.77	94	77209	49.542	ug/l	96
6) Chloroethane	2.92	64	63019	45.203	ug/l	99
7) Trichlorofluoromethane	3.27	101	282693	50.150	ug/l	100
8) Diethyl Ether	3.71	74	57646	44.691	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.10	101	149821	50.026	ug/l	99
10) Methyl Iodide	4.30	142	147192	53.279	ug/l	99
11) Tert butyl alcohol	5.21	59	33750	188.693	ug/l	99
12) 1,1-Dichloroethene	4.07	96	132023	49.345	ug/l	93
13) Acrolein	3.92	56	38956	204.965	ug/l	96
14) Allyl chloride	4.71	41	144221	47.070	ug/l	96
15) Acrylonitrile	5.42	53	96043	223.151	ug/l	98
16) Acetone	4.16	43	110911	243.838	ug/l	100
17) Carbon Disulfide	4.41	76	334618	43.871	ug/l	98
18) Methyl Acetate	4.72	43	45245	43.611	ug/l	98
19) Methyl tert-butyl Ether	5.47	73	250125	47.016	ug/l	99
20) Methylene Chloride	4.97	84	138082	47.135	ug/l	94
21) trans-1,2-Dichloroethene	5.47	96	147400	47.874	ug/l	98
22) Diisopropyl ether	6.37	45	269523	48.154	ug/l	97
23) Vinyl Acetate	6.31	43	772232	242.510	ug/l	98
24) 1,1-Dichloroethane	6.27	63	235348	49.121	ug/l	97
25) 2-Butanone	7.21	43	118178	227.927	ug/l	96
26) 2,2-Dichloropropane	7.21	77	261727	52.998	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	165512	49.049	ug/l	97
28) Bromochloromethane	7.55	49	73434	44.935	ug/l #	95
29) Tetrahydrofuran	7.57	42	65604	227.620	ug/l	94
30) Chloroform	7.71	83	285167	49.823	ug/l	93
31) Cyclohexane	7.99	56	172013	45.983	ug/l	92
32) 1,1,1-Trichloroethane	7.91	97	288237	51.326	ug/l	99
36) 1,1-Dichloropropene	8.11	75	209813	53.976	ug/l	99
37) Ethyl Acetate	7.29	43	55483	48.514	ug/l	95
38) Carbon Tetrachloride	8.10	117	281382	56.638	ug/l	98

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	216322	53.233	ug/l	97
40) Benzene	8.36	78	554128	51.963	ug/l	98
41) Methacrylonitrile	7.52	41	24074	38.954	ug/l	95
42) 1,2-Dichloroethane	8.43	62	162849	48.798	ug/l	99
43) Isopropyl Acetate	8.46	43	108590	47.851	ug/l	99
44) Trichloroethene	9.11	130	177081	51.864	ug/l	100
45) 1,2-Dichloropropane	9.39	63	122076	49.395	ug/l	98
46) Dibromomethane	9.48	93	73502	47.734	ug/l	98
47) Bromodichloromethane	9.67	83	210730	51.079	ug/l	99
48) Methyl methacrylate	9.46	41	53003	48.062	ug/l	93
49) 1,4-Dioxane	9.46	88	15825	1063.920	ug/l	91
51) 4-Methyl-2-Pentanone	10.23	43	268649	237.350	ug/l	99
52) Toluene	10.41	92	384386	52.923	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	185265	51.120	ug/l	91
54) cis-1,3-Dichloropropene	10.10	75	213689	50.383	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	104755	49.889	ug/l	97
56) Ethyl methacrylate	10.67	69	105463	48.429	ug/l	96
57) 1,3-Dichloropropane	10.95	76	166032	49.686	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	266099	238.194	ug/l	97
59) 2-Hexanone	10.99	43	190429	246.211	ug/l	97
60) Dibromochloromethane	11.14	129	152868	49.921	ug/l	99
61) 1,2-Dibromoethane	11.25	107	99626	48.127	ug/l	98
64) Tetrachloroethene	10.88	164	155988	51.896	ug/l	95
65) Chlorobenzene	11.67	112	424617	53.375	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	168208	53.200	ug/l	100
67) Ethyl Benzene	11.75	91	759841	55.719	ug/l	100
68) m/p-Xylenes	11.86	106	584449	111.295	ug/l	98
69) o-Xylene	12.18	106	264159	54.322	ug/l	97
70) Styrene	12.20	104	453691	54.198	ug/l	99
71) Bromoform	12.37	173	85332	50.237	ug/l #	99
73) Isopropylbenzene	12.48	105	762185	58.235	ug/l	100
74) N-amyl acetate	12.29	43	98159	49.657	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	98021	48.879	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	136938	95.808	ug/l #	100
77) Bromobenzene	12.77	156	176996	54.243	ug/l	97
78) n-propylbenzene	12.83	91	877688	57.879	ug/l	99
79) 2-Chlorotoluene	12.91	91	485647	55.225	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	655545	57.638	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	31646	50.209	ug/l	96
82) 4-Chlorotoluene	13.01	91	519678	55.678	ug/l	98
83) tert-Butylbenzene	13.23	119	575035	59.854	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	642730	57.176	ug/l	99
85) sec-Butylbenzene	13.41	105	769976	58.408	ug/l	100
86) p-Isopropyltoluene	13.52	119	724627	58.237	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	339632	54.077	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	335554	53.926	ug/l	99
89) n-Butylbenzene	13.85	91	641643	58.617	ug/l	99
90) Hexachloroethane	14.12	117	122688	56.504	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	286296	52.181	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	17180	47.156	ug/l	91

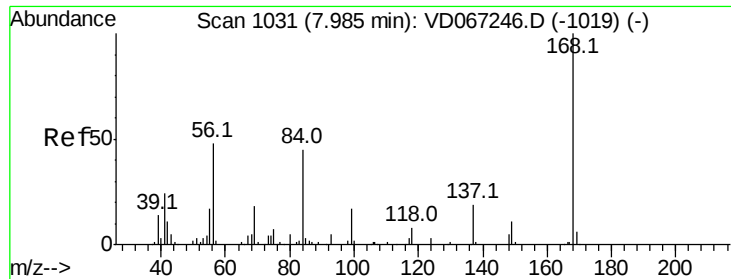
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102620\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	210159	56.812	ug/l	97
94) Hexachlorobutadiene	15.27	225	134418	58.515	ug/l	98
95) Naphthalene	15.41	128	321594	52.951	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	171003	53.509	ug/l	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD067384.D

Acq: 26 Oct 2020 11:20

Instrument :

MSVOA_D

ClientSampleId :

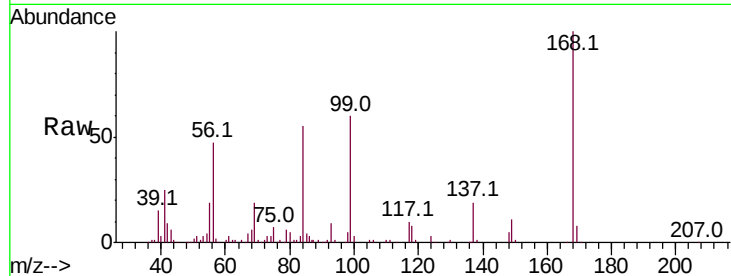
VSTDCCC050

Tot Ion:168 Resp: 324181

Ion Ratio Lower Upper

168 100

99 59.9 45.9 68.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

150000

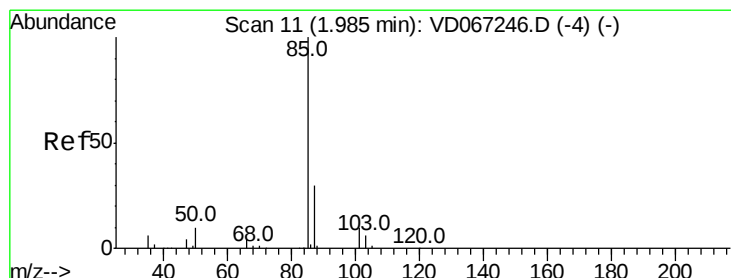
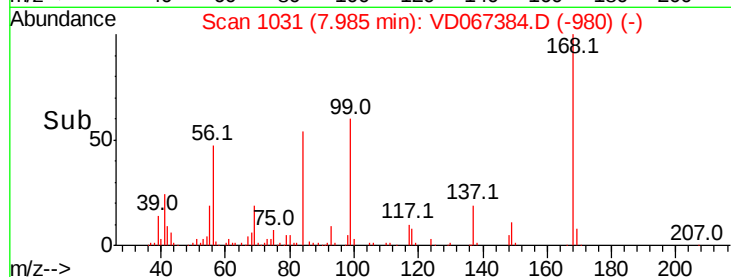
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 46.041 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD067384.D

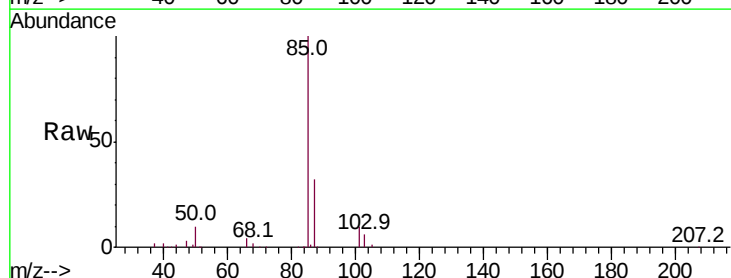
Acq: 26 Oct 2020 11:20

Tgt Ion: 85 Resp: 120707

Ion Ratio Lower Upper

85 100

87 32.5 15.2 45.6



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

100000

80000

60000

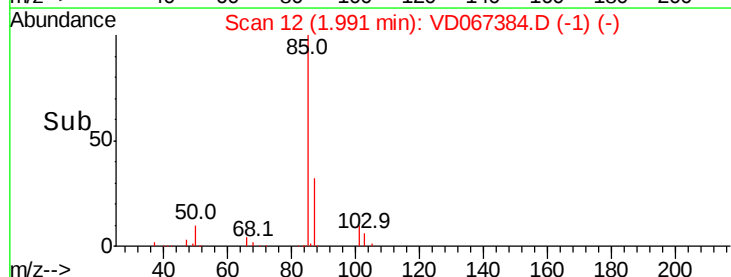
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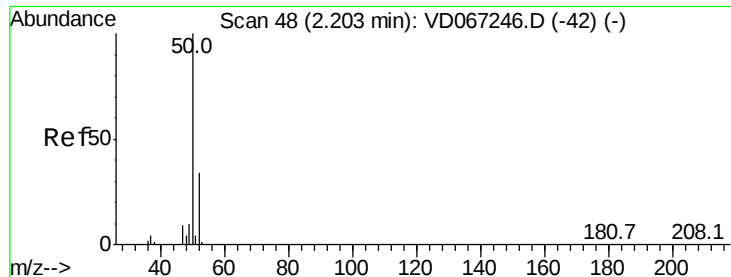
20000

0

1.90 1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 40.460 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.01 min

Lab File: VD067384.D

Acq: 26 Oct 2020 11:20

Instrument :

MSVOA_D

ClientSampleId :

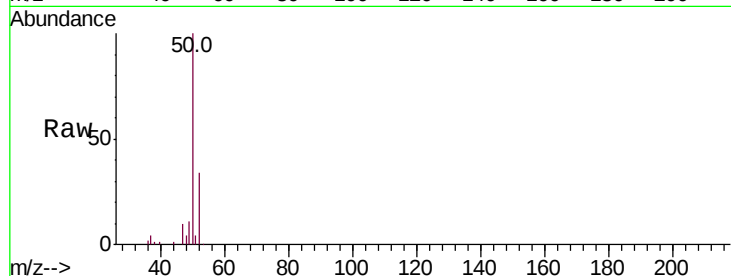
VSTDCCC050

Tot Ion: 50 Resp: 82547

Ion Ratio Lower Upper

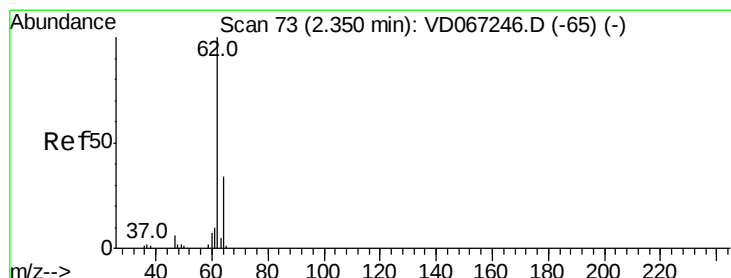
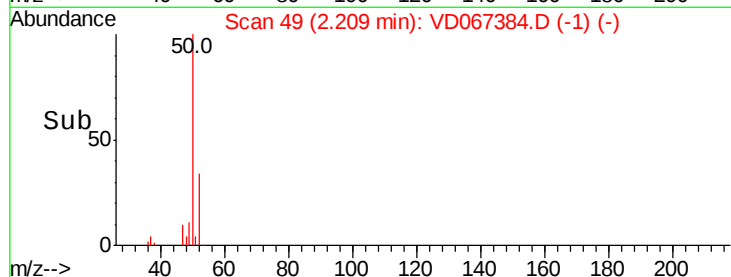
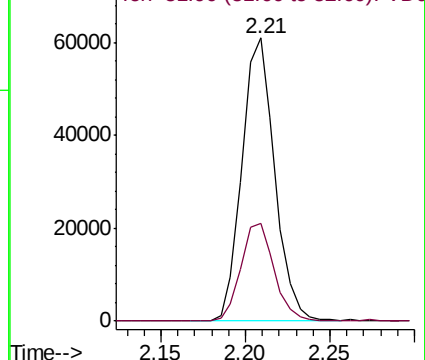
50 100

52 34.4 27.1 40.7



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 43.867 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD067384.D

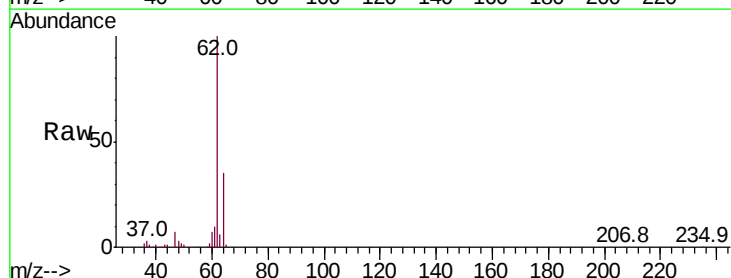
Acq: 26 Oct 2020 11:20

Tgt Ion: 62 Resp: 98199

Ion Ratio Lower Upper

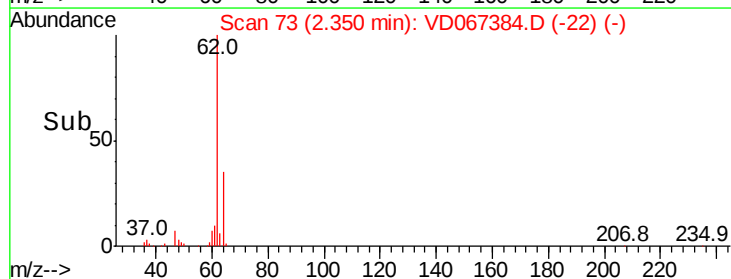
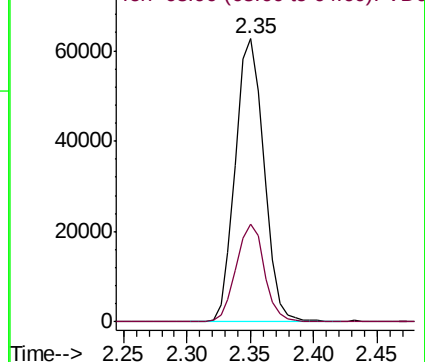
62 100

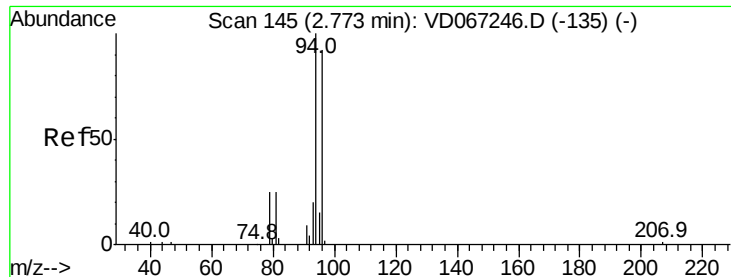
64 34.7 27.4 41.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 49.542 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD067384.D

Acq: 26 Oct 2020 11:20

Instrument :

MSVOA_D

ClientSampleId :

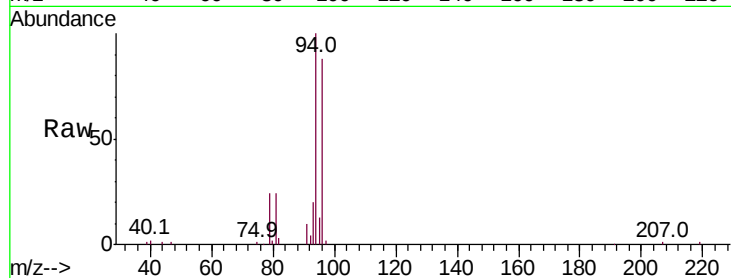
VSTDCCC050

Tot Ion: 94 Resp: 77209

Ion Ratio Lower Upper

94 100

96 88.5 73.8 110.6



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.77

40000

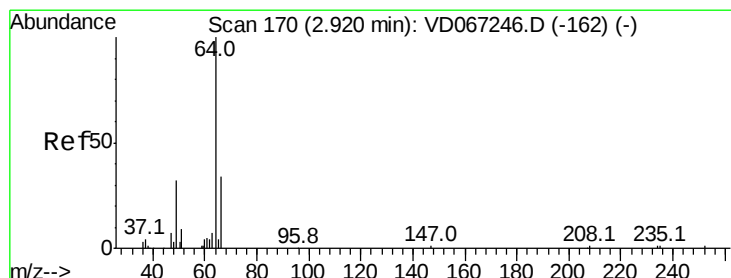
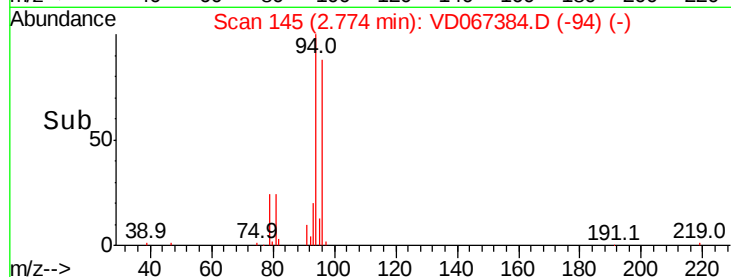
30000

20000

10000

0

Time-->



#6

Chloroethane

Concen: 45.203 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD067384.D

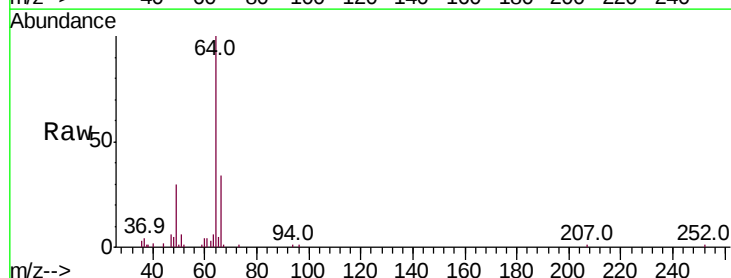
Acq: 26 Oct 2020 11:20

Tgt Ion: 64 Resp: 63019

Ion Ratio Lower Upper

64 100

66 33.5 27.4 41.0



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.92

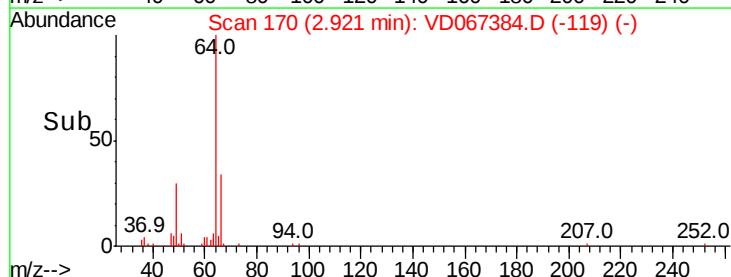
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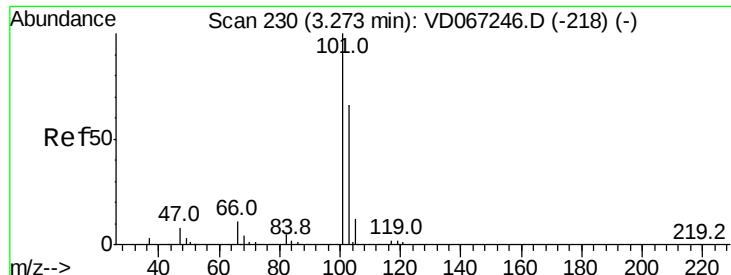
20000

10000

0

Time-->



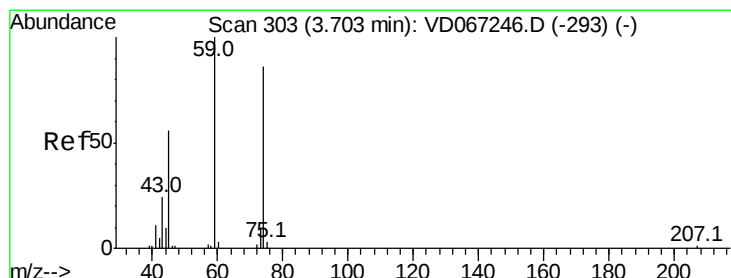
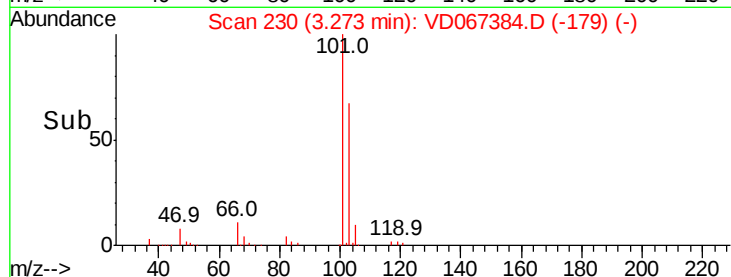
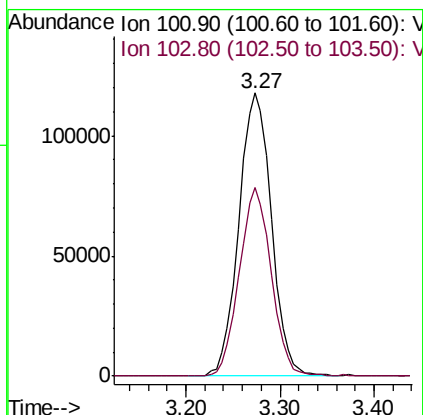
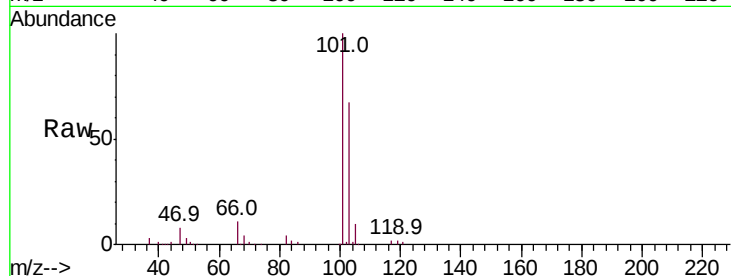


#7

Trichlorofluoromethane
 Concen: 50.150 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.00 min
 Lab File: VD067384.D
 Acq: 26 Oct 2020 11:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

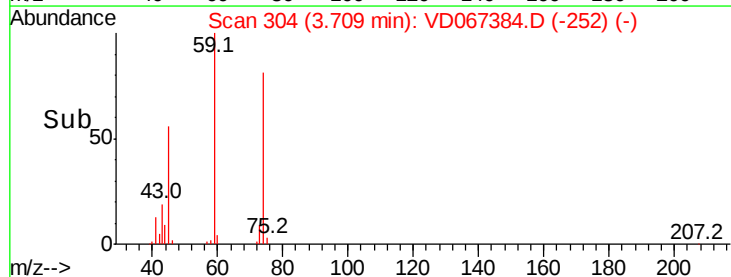
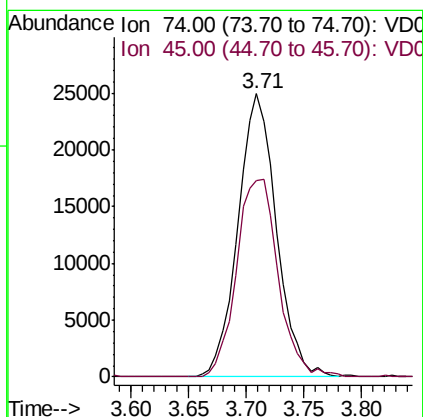
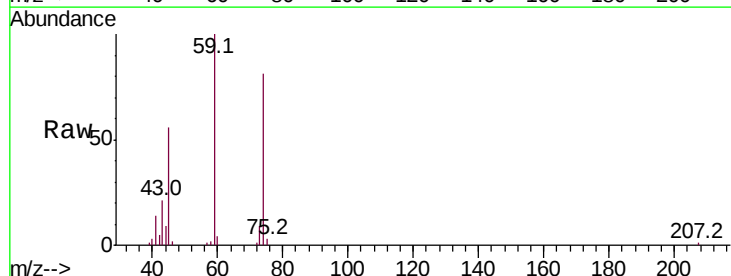
Tot Ion:101 Resp: 282693
 Ion Ratio Lower Upper
 101 100
 103 66.7 53.1 79.7

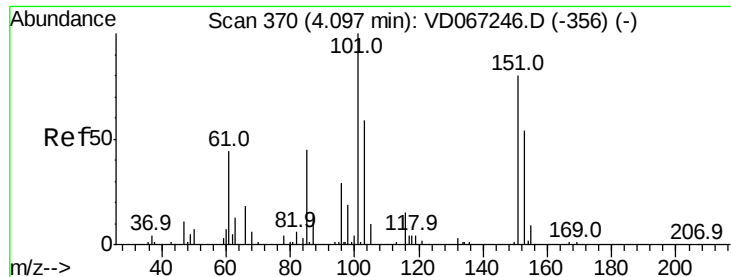


#8

Diethyl Ether
 Concen: 44.691 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.01 min
 Lab File: VD067384.D
 Acq: 26 Oct 2020 11:20

Tgt Ion: 74 Resp: 57646
 Ion Ratio Lower Upper
 74 100
 45 75.9 37.0 111.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.026 ug/l

RT: 4.10 min Scan# 370

Delta R.T. 0.00 min

Lab File: VD067384.D

Acq: 26 Oct 2020 11:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

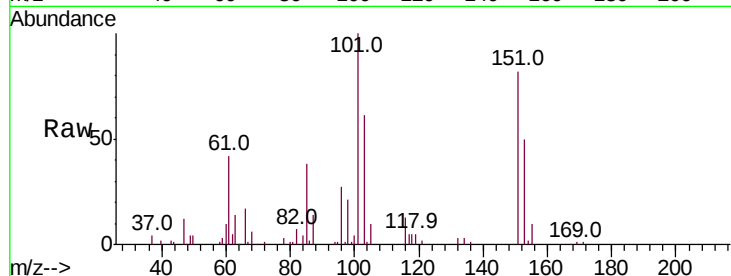
Tot Ion:101 Resp: 149821

Ion Ratio Lower Upper

101 100

85 42.2 34.2 51.4

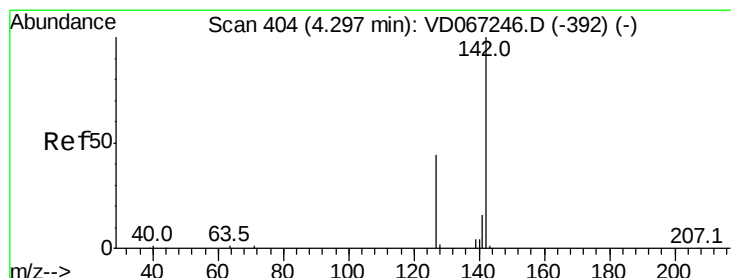
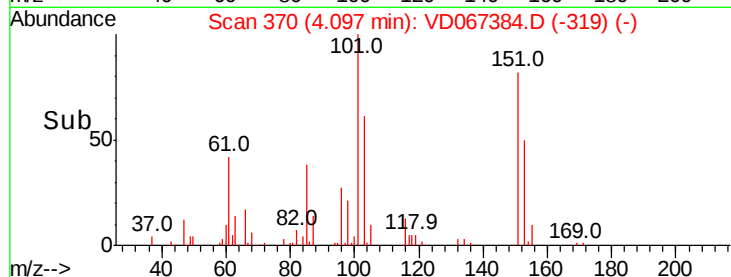
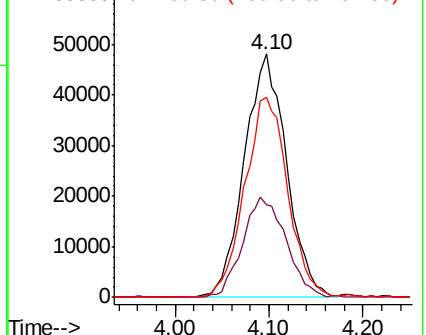
151 83.3 66.3 99.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 53.279 ug/l

RT: 4.30 min Scan# 405

Delta R.T. 0.01 min

Lab File: VD067384.D

Acq: 26 Oct 2020 11:20

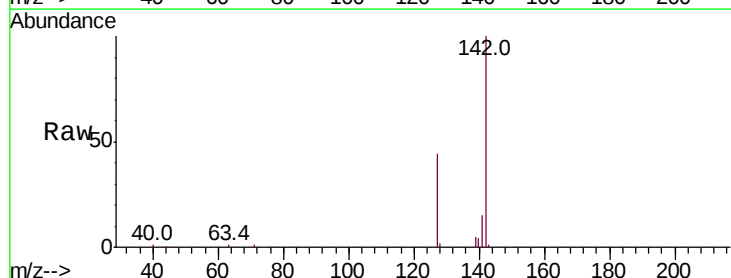
Tgt Ion:142 Resp: 147192

Ion Ratio Lower Upper

142 100

127 48.8 38.4 57.6

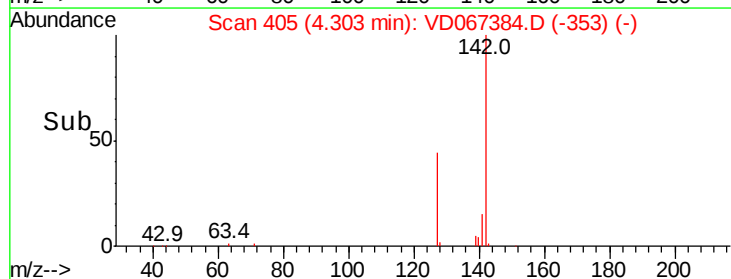
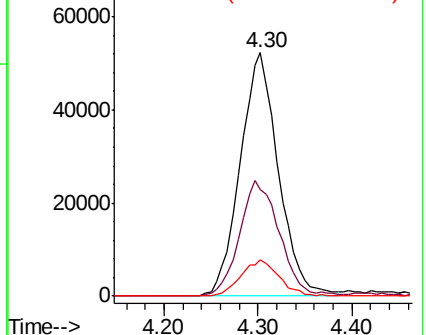
141 14.9 11.6 17.4

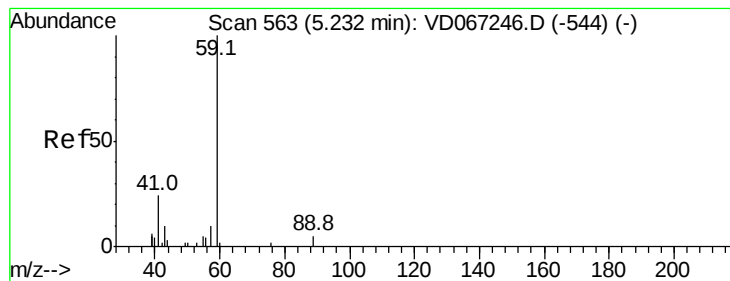


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 188.693 ug/l

RT: 5.21 min Scan# 560

Delta R.T. -0.02 min

Lab File: VD067384.D

Acq: 26 Oct 2020 11:20

Instrument :

MSVOA_D

ClientSampleId :

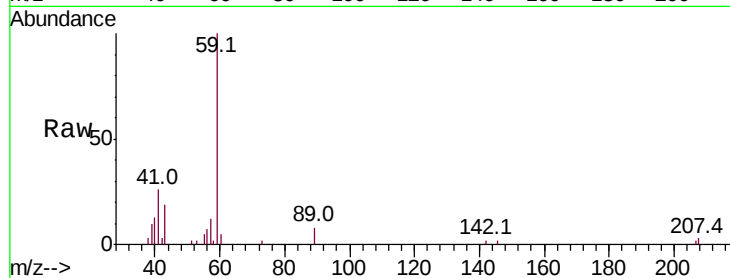
VSTDCCC050

Tot Ion: 59 Resp: 33750

Ion Ratio Lower Upper

59 100

57 6.9 5.1 7.7



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC

5.21

10000

8000

6000

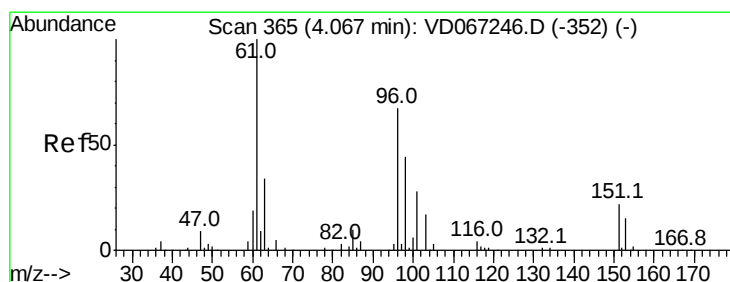
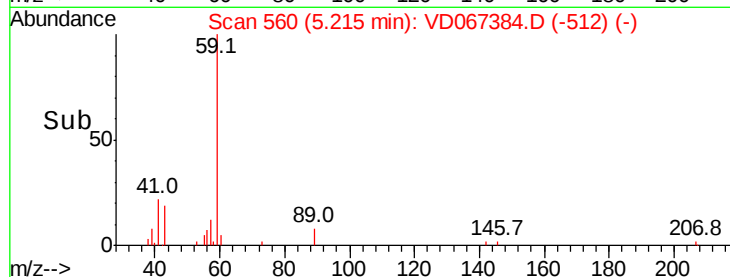
4000

2000

0

Time-->

5.10 5.20 5.30



#12

1,1-Dichloroethene

Concen: 49.345 ug/l

RT: 4.07 min Scan# 365

Delta R.T. 0.00 min

Lab File: VD067384.D

Acq: 26 Oct 2020 11:20

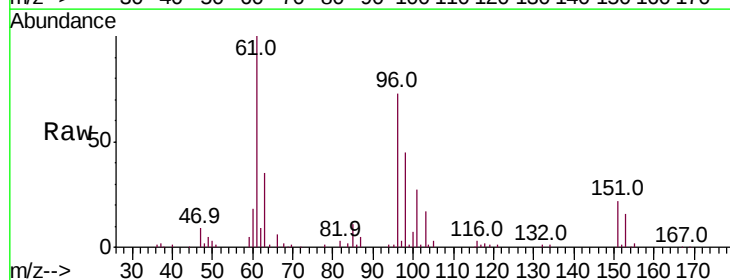
Tgt Ion: 96 Resp: 132023

Ion Ratio Lower Upper

96 100

61 137.7 118.6 177.8

98 62.5 51.8 77.6



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

80000

60000

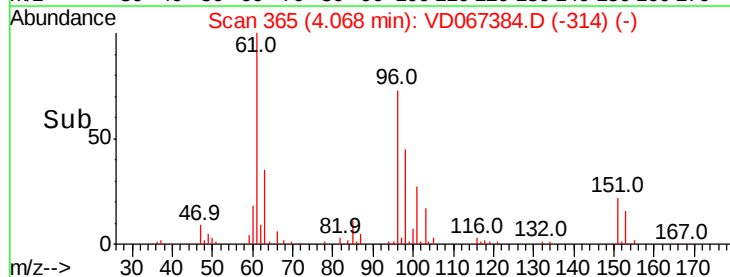
40000

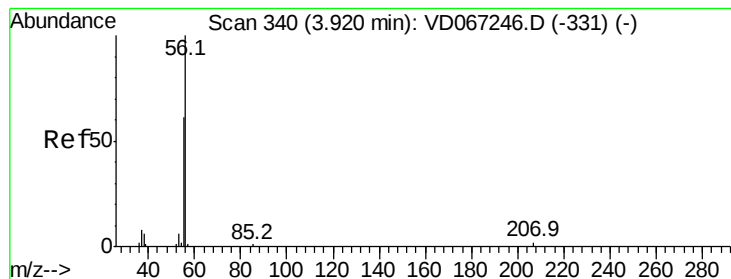
20000

0

Time-->

4.00 4.10 4.20





#13

Acrolein

Concen: 204.965 ug/l

RT: 3.92 min Scan# 340

Delta R.T. 0.00 min

Lab File: VD067384.D

Acq: 26 Oct 2020 11:20

Instrument :

MSVOA_D

ClientSampleId :

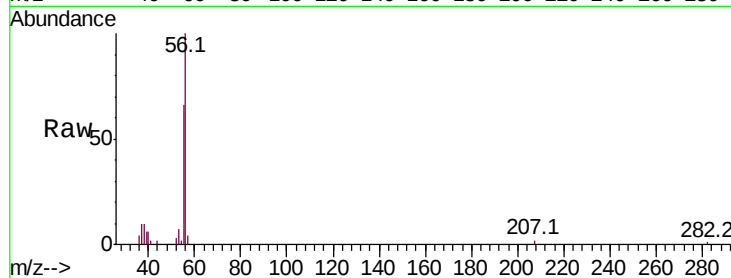
VSTDCCC050

Tot Ion: 56 Resp: 38956

Ion Ratio Lower Upper

56 100

55 66.4 56.0 84.0



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

15000

10000

5000

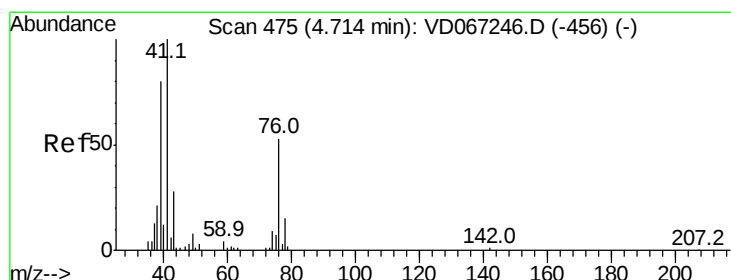
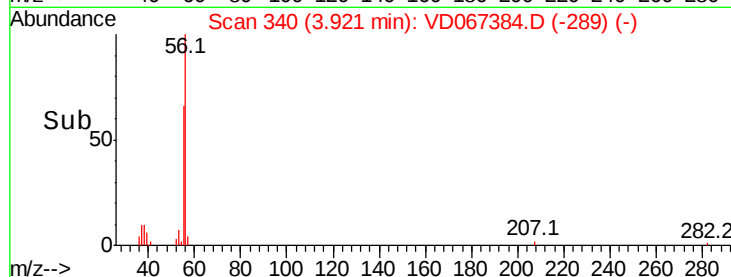
0

3.80

3.90

4.00

Time-->



#14

Allyl chloride

Concen: 47.070 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD067384.D

Acq: 26 Oct 2020 11:20

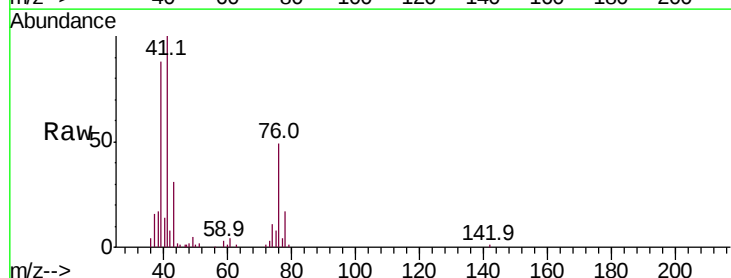
Tgt Ion: 41 Resp: 144221

Ion Ratio Lower Upper

41 100

39 84.4 63.8 95.6

76 51.1 40.4 60.6



Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC

60000

50000

40000

30000

20000

10000

0

4.50

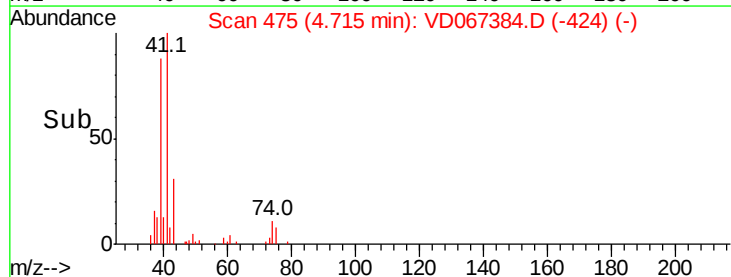
4.60

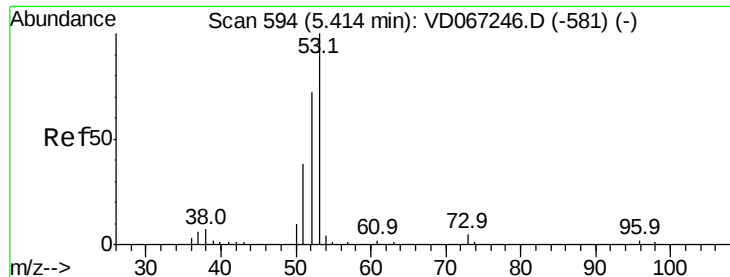
4.70

4.80

4.90

Time-->





#15

Acrylonitrile

Concen: 223.151 ug/l

RT: 5.42 min Scan# 595

Delta R.T. 0.01 min

Lab File: VD067384.D

Acq: 26 Oct 2020 11:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

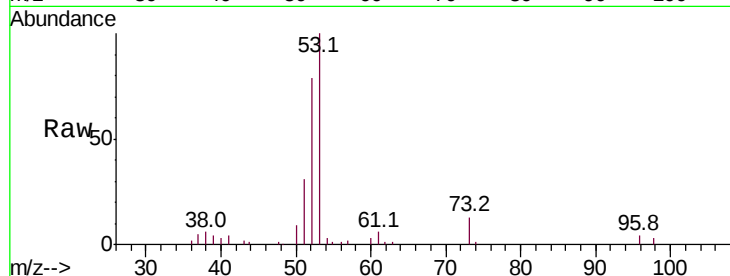
Tot Ion: 53 Resp: 96043

Ion Ratio Lower Upper

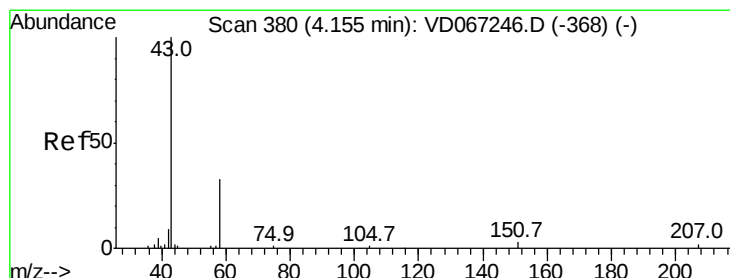
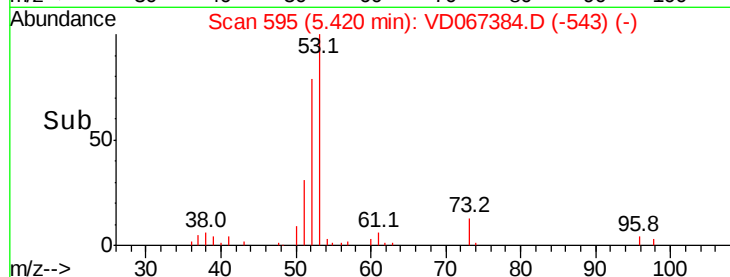
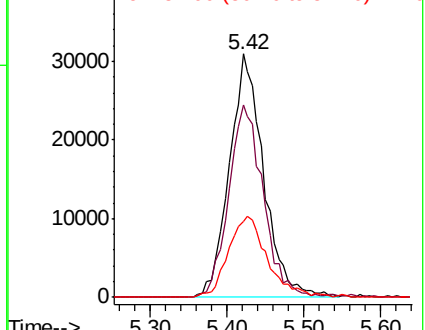
53 100

52 79.6 65.6 98.4

51 37.9 30.8 46.2



Abundance Ion 53.00 (52.70 to 53.70): VDC
Ion 52.00 (51.70 to 52.70): VDC
Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 243.838 ug/l

RT: 4.16 min Scan# 380

Delta R.T. 0.00 min

Lab File: VD067384.D

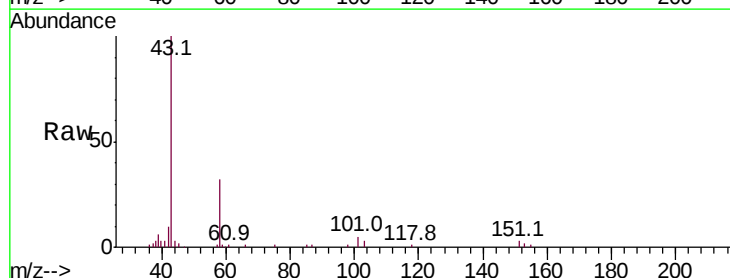
Acq: 26 Oct 2020 11:20

Tgt Ion: 43 Resp: 110911

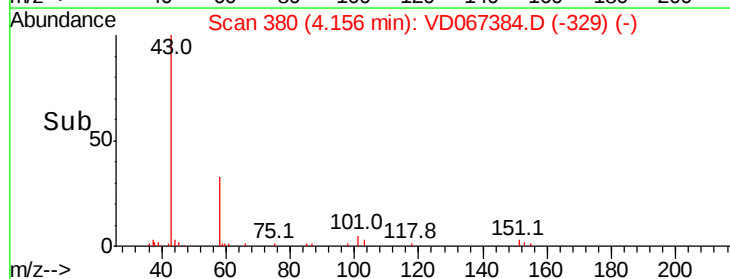
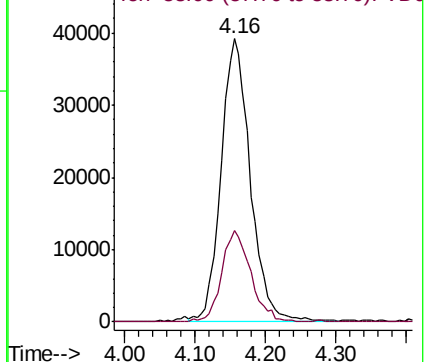
Ion Ratio Lower Upper

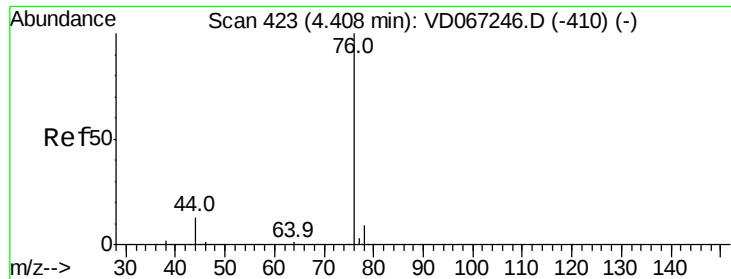
43 100

58 32.4 26.1 39.1



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

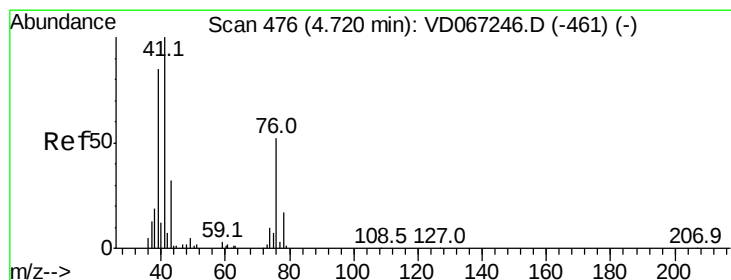
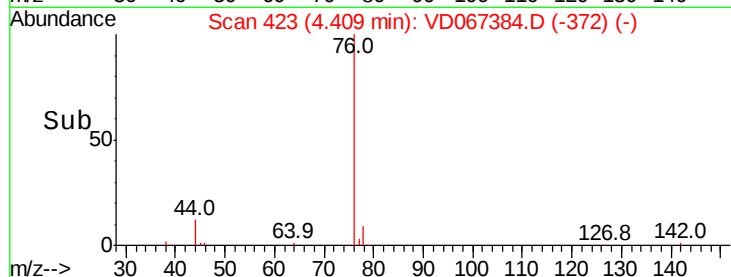
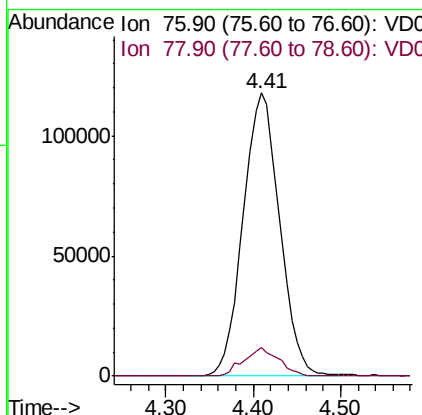
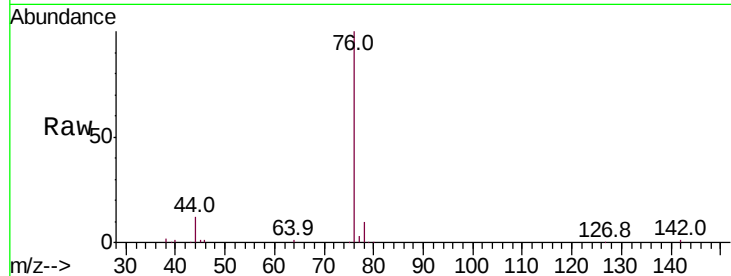




#17
Carbon Disulfide
Concen: 43.871 ug/l
RT: 4.41 min Scan# 423
Delta R.T. 0.00 min
Lab File: VD067384.D
Acq: 26 Oct 2020 11:20

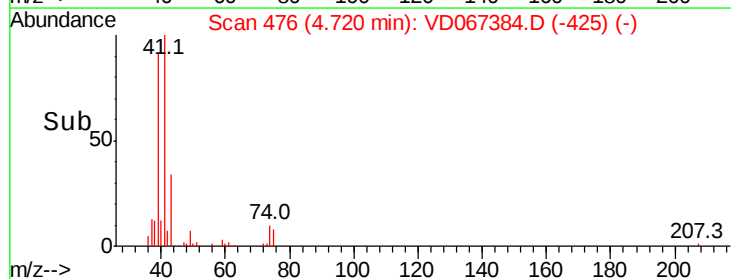
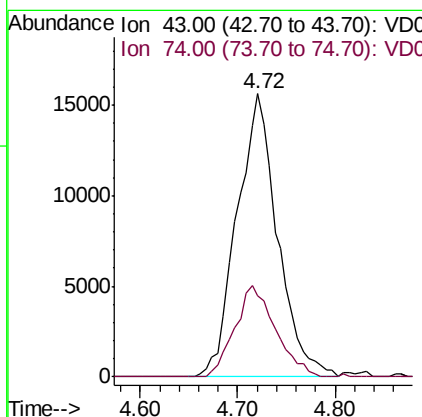
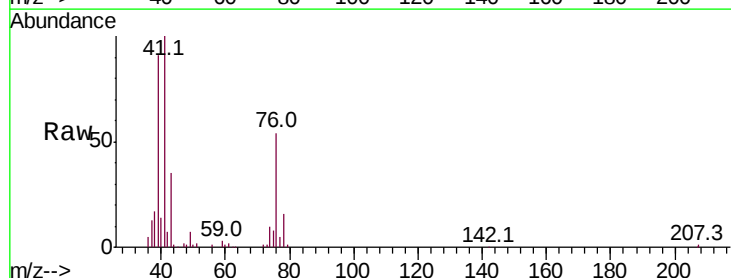
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

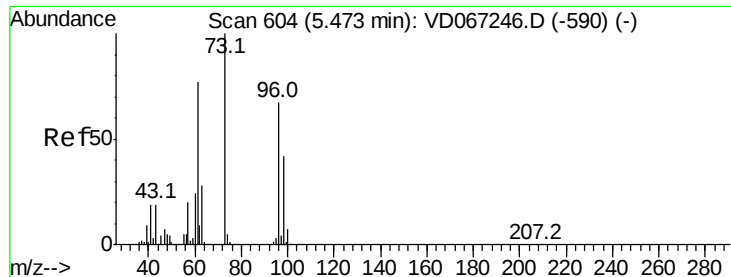
Tot Ion: 76 Resp: 334618
Ion Ratio Lower Upper
76 100
78 10.1 7.4 11.0



#18
Methyl Acetate
Concen: 43.611 ug/l
RT: 4.72 min Scan# 476
Delta R.T. 0.00 min
Lab File: VD067384.D
Acq: 26 Oct 2020 11:20

Tgt Ion: 43 Resp: 45245
Ion Ratio Lower Upper
43 100
74 32.2 26.6 39.8

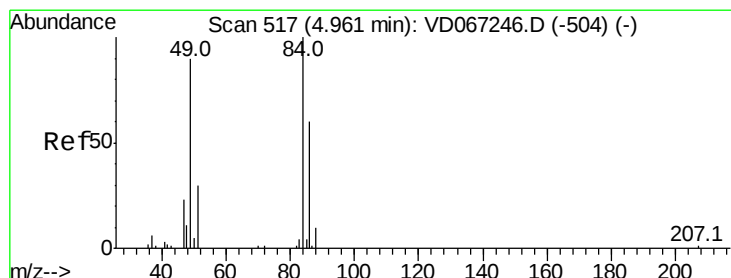
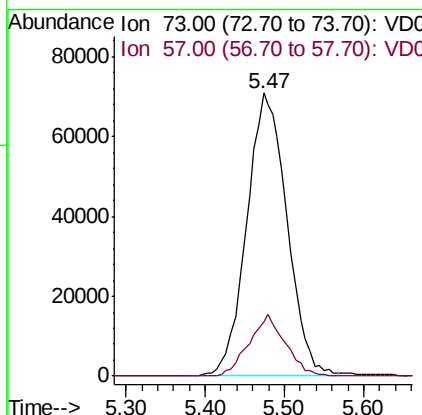
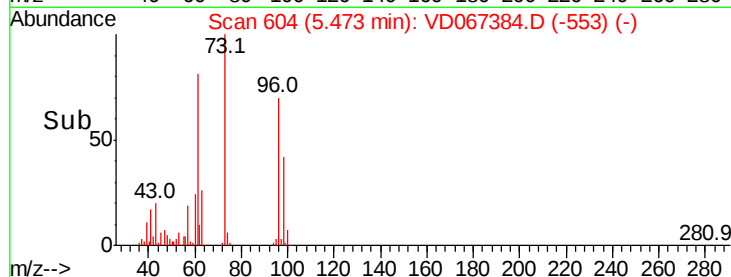
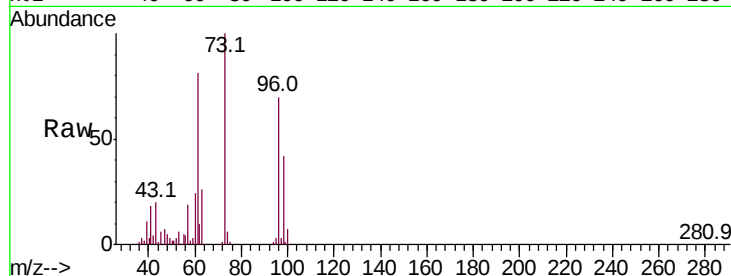




#19
Methvl tert-butvl Ether
Concen: 47.016 ug/l
RT: 5.47 min Scan# 604
Delta R.T. 0.00 min
Lab File: VD067384.D
Acq: 26 Oct 2020 11:20

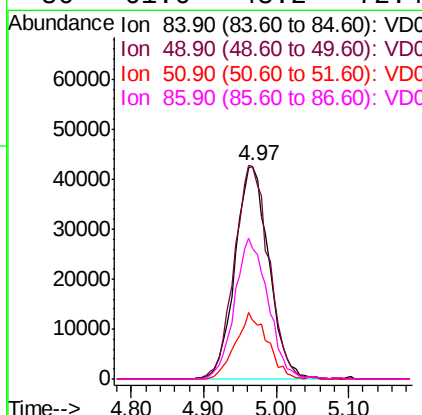
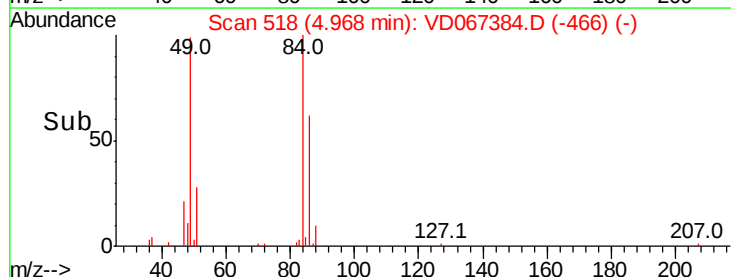
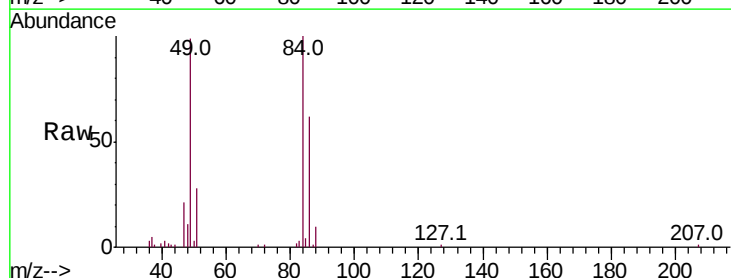
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

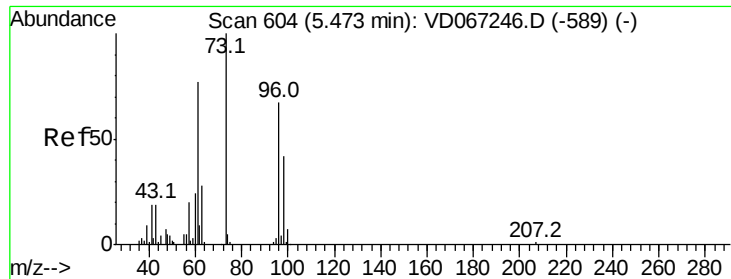
Tot Ion: 73 Resp: 250125
Ion Ratio Lower Upper
73 100
57 19.1 15.7 23.5



#20
Methylene Chloride
Concen: 47.135 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD067384.D
Acq: 26 Oct 2020 11:20

Tgt Ion: 84 Resp: 138082
Ion Ratio Lower Upper
84 100
49 99.5 72.2 108.2
51 27.8 23.8 35.8
86 61.6 48.2 72.4





#21

trans-1,2-Dichloroethene

Concen: 47.874 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.00 min

Lab File: VD067384.D

Acq: 26 Oct 2020 11:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

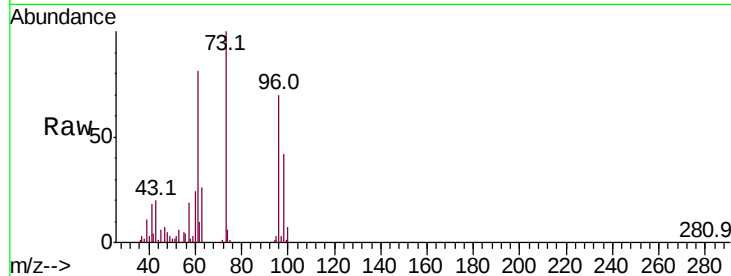
Tot Ion: 96 Resp: 147400

Ion Ratio Lower Upper

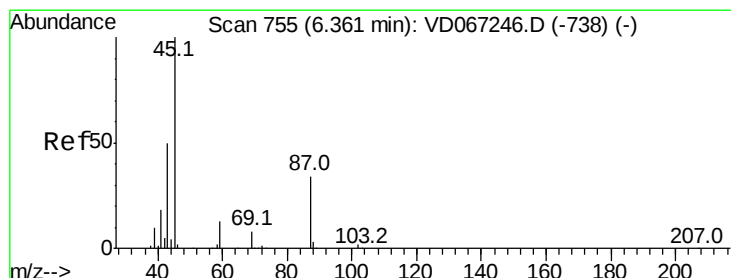
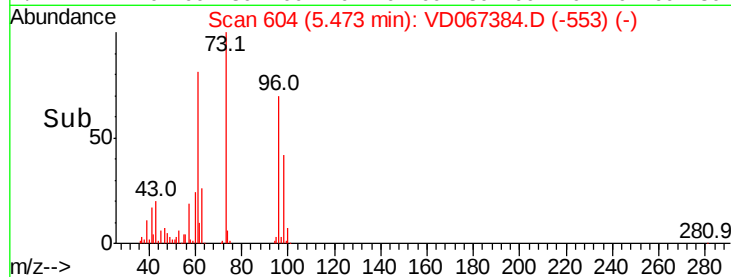
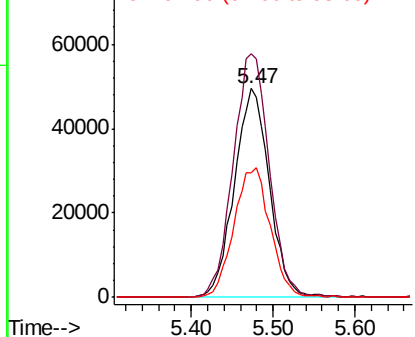
96 100

61 116.8 92.0 138.0

98 59.9 49.8 74.8



Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



#22

Diisopropyl ether

Concen: 48.154 ug/l

RT: 6.37 min Scan# 756

Delta R.T. 0.01 min

Lab File: VD067384.D

Acq: 26 Oct 2020 11:20

Tgt Ion: 45 Resp: 269523

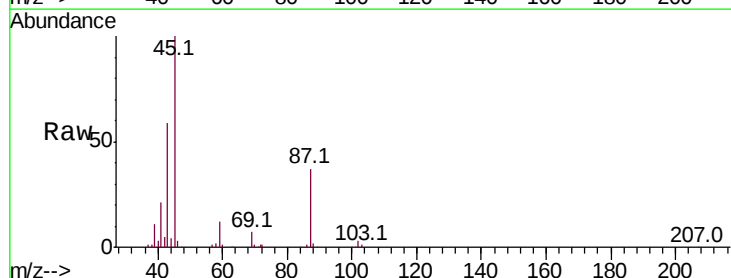
Ion Ratio Lower Upper

45 100

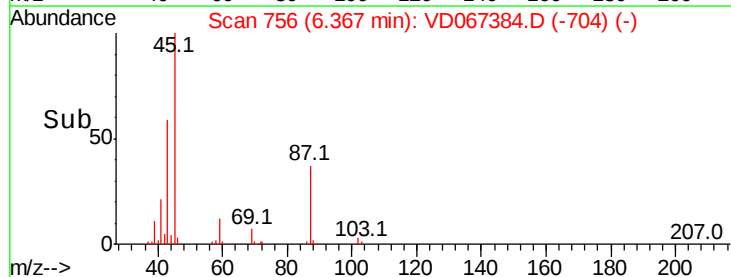
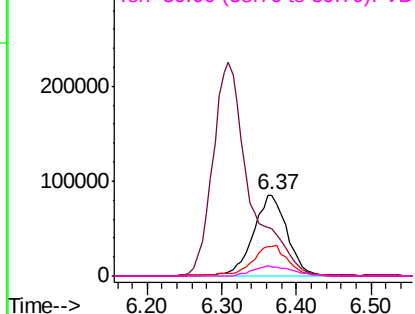
43 57.0 48.0 72.0

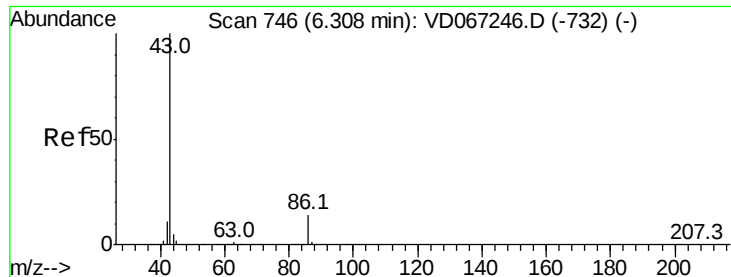
87 36.5 28.5 42.7

59 11.4 10.5 15.7



Abundance Ion 45.00 (44.70 to 45.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 59.00 (58.70 to 59.70): VDC





#23

Vinyl Acetate

Concen: 242.510 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.00 min

Lab File: VD067384.D

Acq: 26 Oct 2020 11:20

Instrument :

MSVOA_D

ClientSampleId :

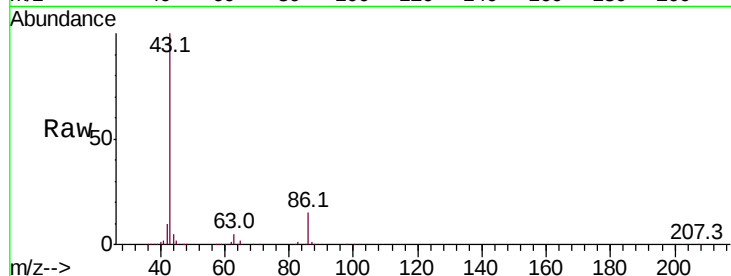
VSTDCCC050

Tot Ion: 43 Resp: 772232

Ion Ratio Lower Upper

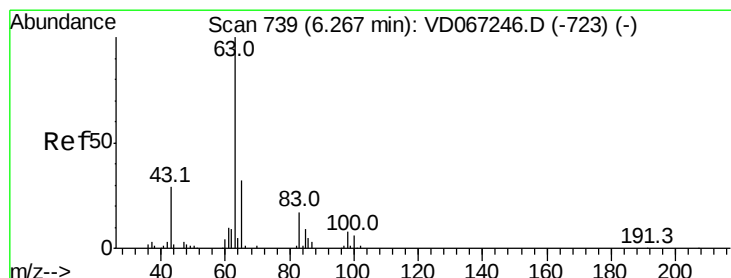
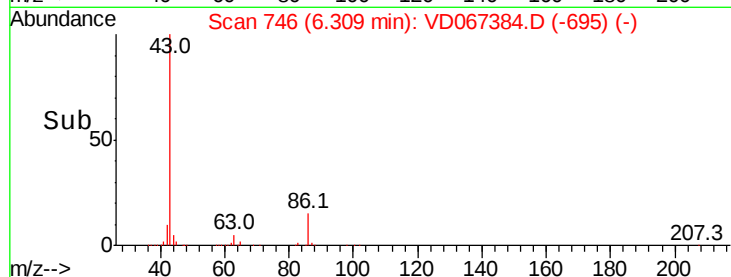
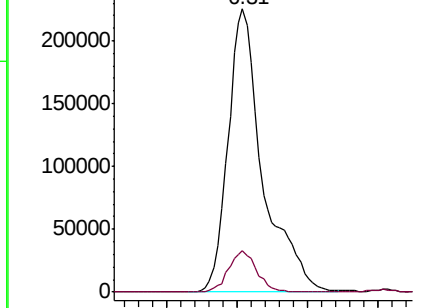
43 100

86 14.7 11.0 16.6



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 49.121 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD067384.D

Acq: 26 Oct 2020 11:20

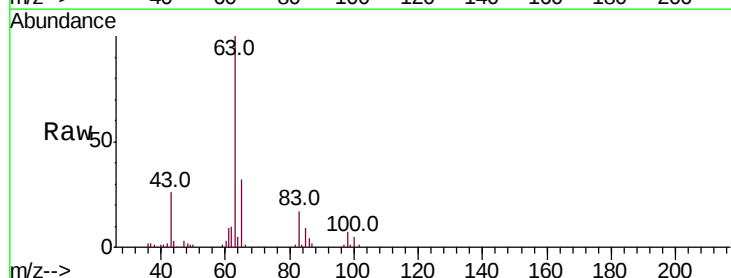
Tgt Ion: 63 Resp: 235348

Ion Ratio Lower Upper

63 100

98 6.6 4.0 12.2

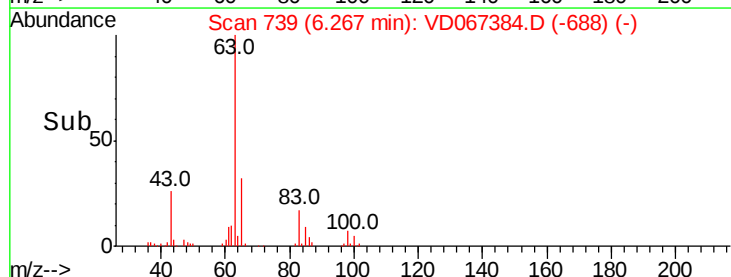
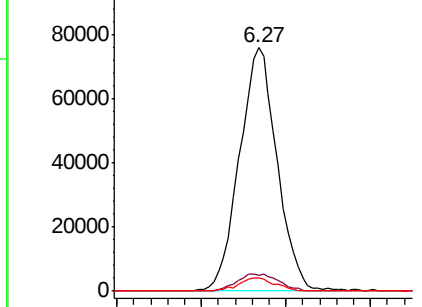
100 5.2 2.8 8.4

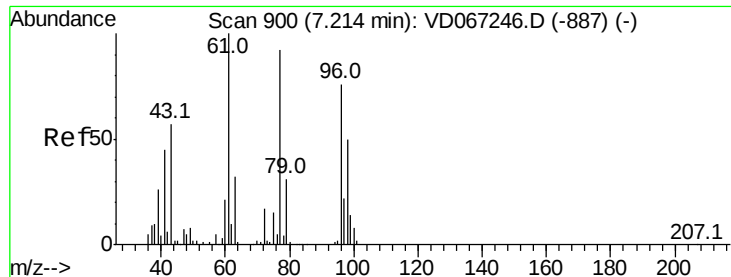


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 227.927 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD067384.D

Acq: 26 Oct 2020 11:20

Instrument :

MSVOA_D

ClientSampleId :

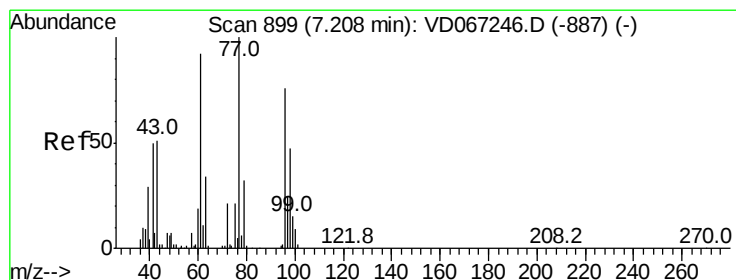
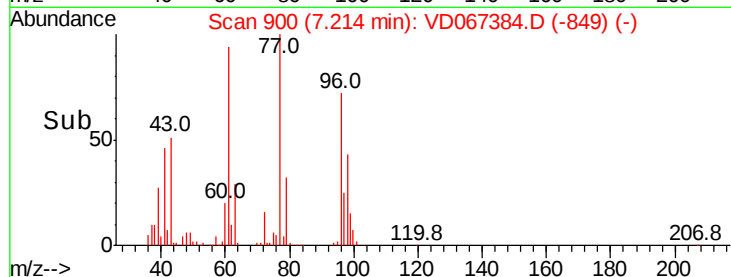
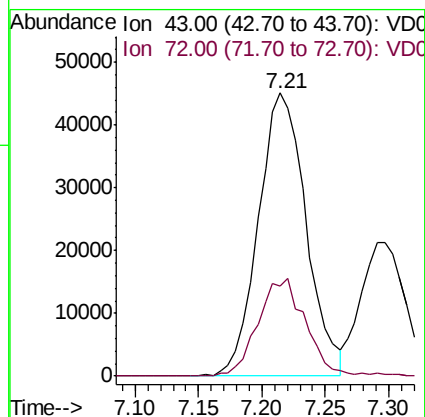
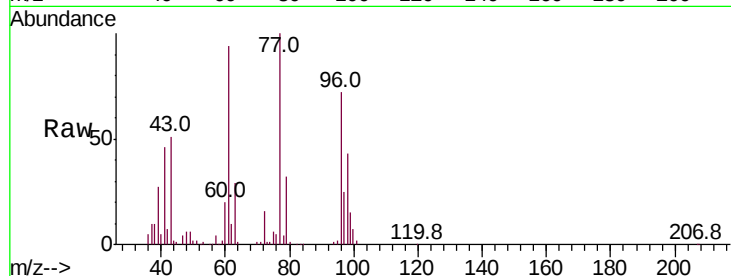
VSTDCCC050

Tot Ion: 43 Resp: 118178

Ion Ratio Lower Upper

43 100

72 31.7 23.7 35.5



#26

2,2-Dichloropropane

Concen: 52.998 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD067384.D

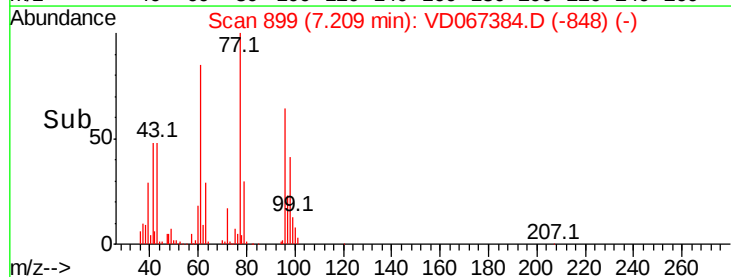
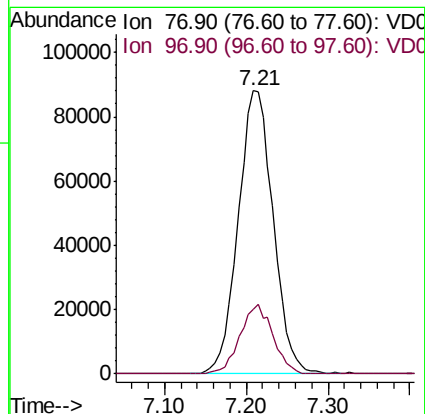
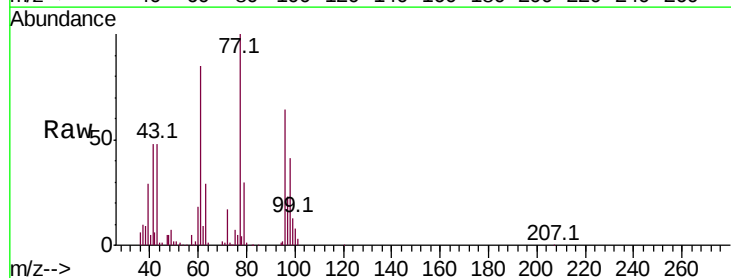
Acq: 26 Oct 2020 11:20

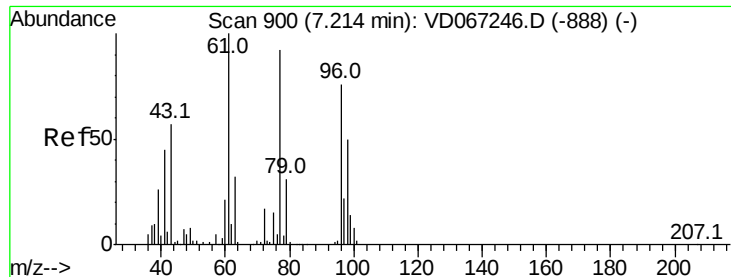
Tgt Ion: 77 Resp: 261727

Ion Ratio Lower Upper

77 100

97 23.0 11.4 34.2

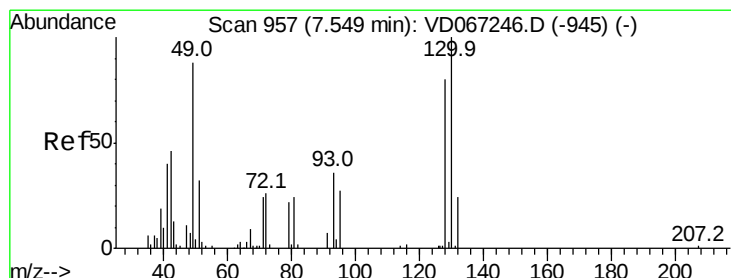
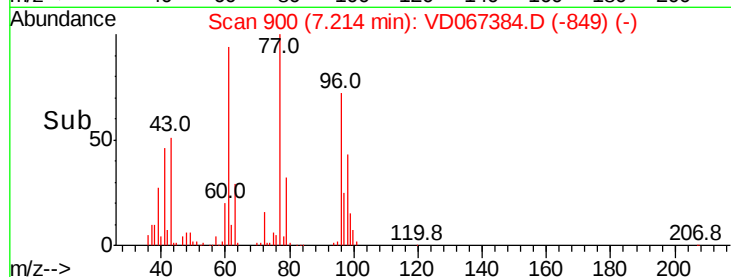
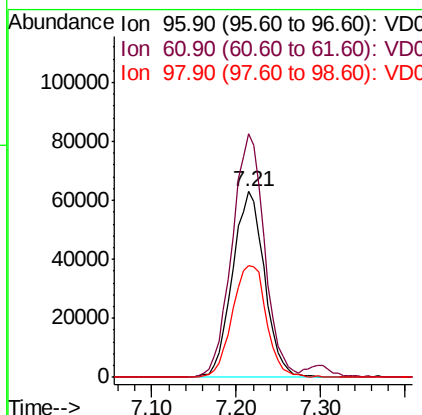
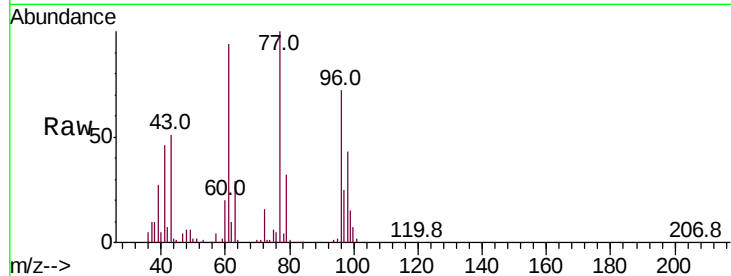




#27
 cis-1,2-Dichloroethene
 Concen: 49.049 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VD067384.D
 Acq: 26 Oct 2020 11:20

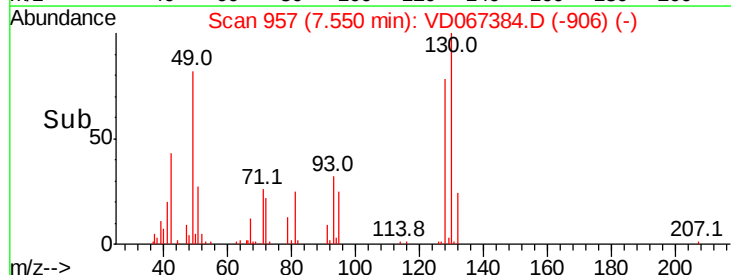
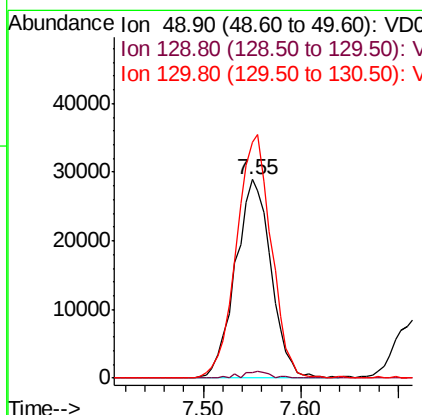
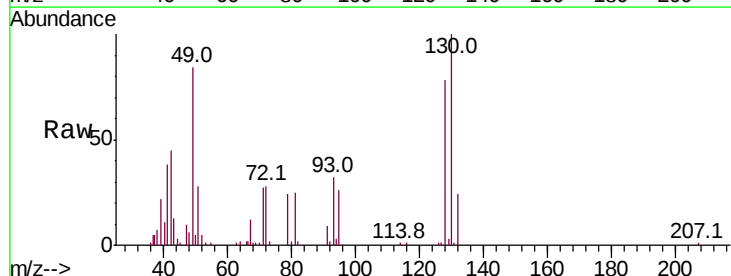
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

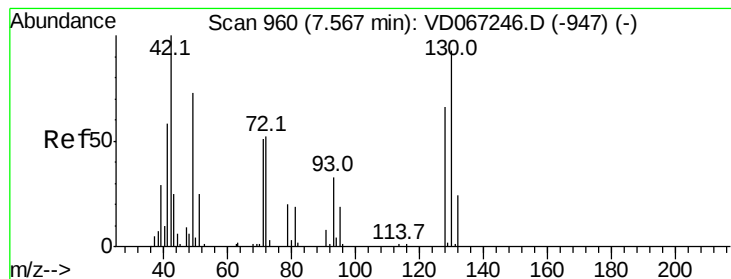
Tot Ion: 96 Resp: 165512
 Ion Ratio Lower Upper
 96 100
 61 132.4 0.0 255.4
 98 63.6 0.0 128.0



#28
 Bromochloromethane
 Concen: 44.935 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. 0.00 min
 Lab File: VD067384.D
 Acq: 26 Oct 2020 11:20

Tgt Ion: 49 Resp: 73434
 Ion Ratio Lower Upper
 49 100
 129 2.6 0.0 1.6#
 130 119.5 91.0 136.6





#29

Tetrahydrofuran

Concen: 227.620 ug/l

RT: 7.57 min Scan# 960

Delta R.T. 0.00 min

Lab File: VD067384.D

Acq: 26 Oct 2020 11:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

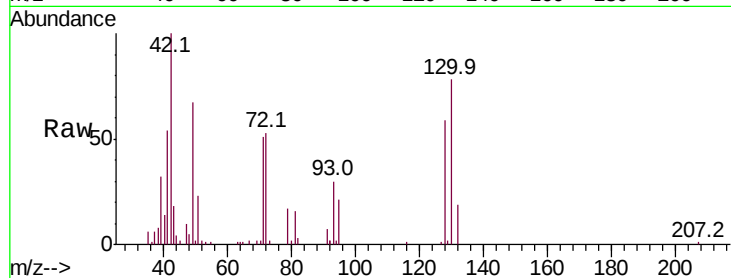
Tot Ion: 42 Resp: 65604

Ion Ratio Lower Upper

42 100

72 57.7 43.2 64.8

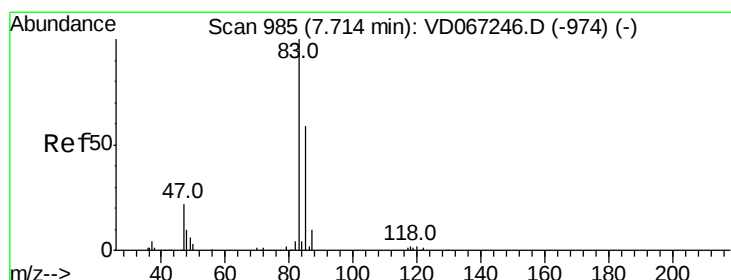
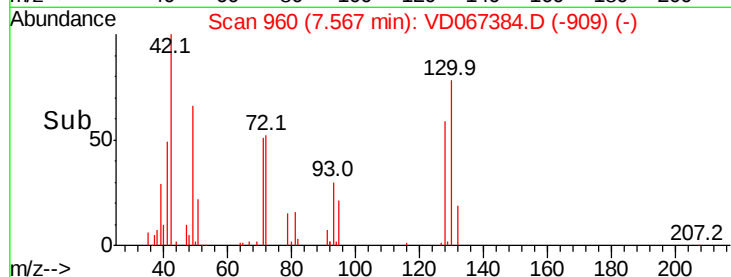
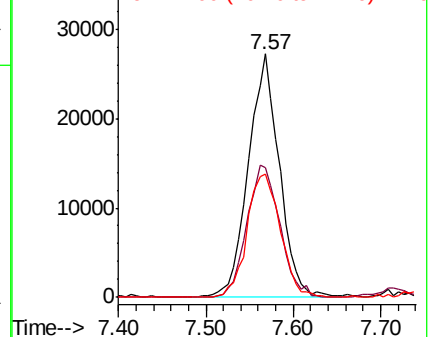
71 54.2 39.4 59.0



Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 49.823 ug/l

RT: 7.71 min Scan# 985

Delta R.T. 0.00 min

Lab File: VD067384.D

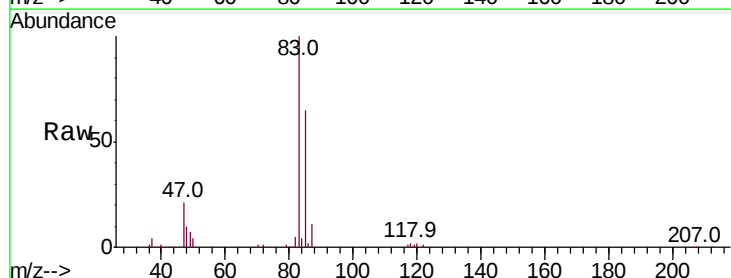
Acq: 26 Oct 2020 11:20

Tgt Ion: 83 Resp: 285167

Ion Ratio Lower Upper

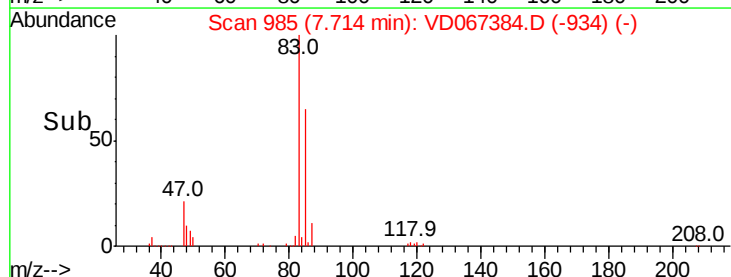
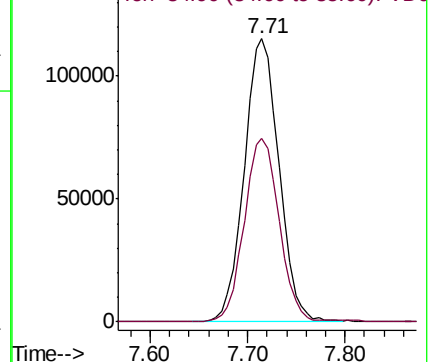
83 100

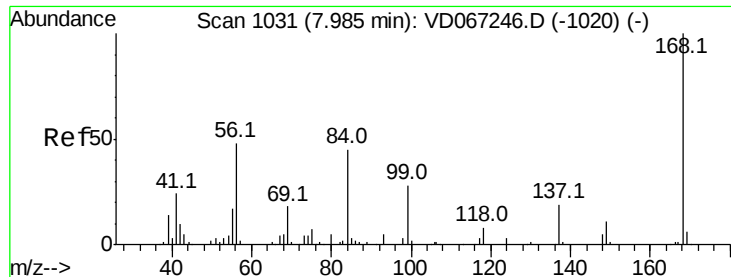
85 64.6 47.3 70.9



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

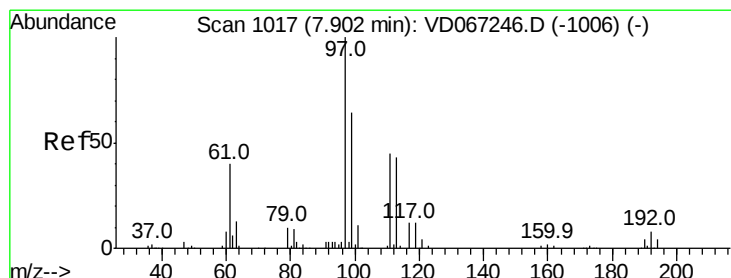
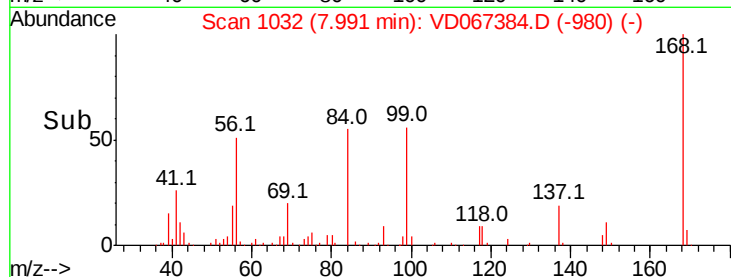
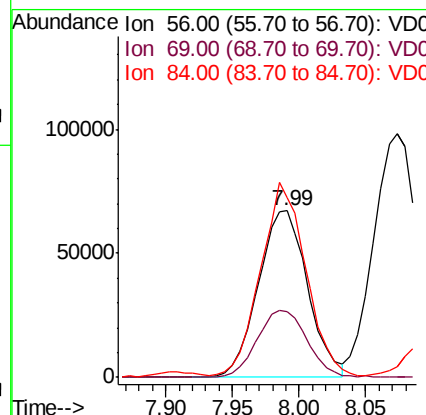
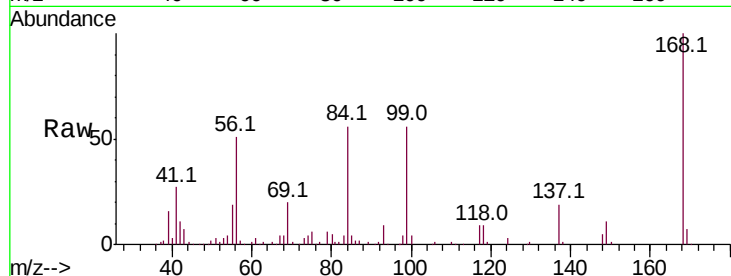




#31
Cyclohexane
Concen: 45.983 ug/l
RT: 7.99 min Scan# 1032
Delta R.T. 0.01 min
Lab File: VD067384.D
Acq: 26 Oct 2020 11:20

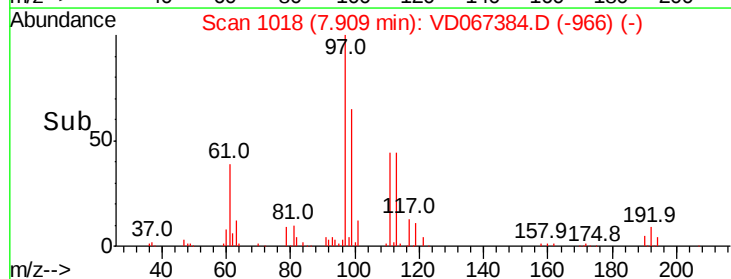
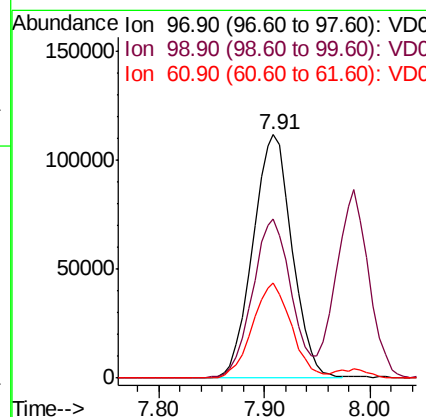
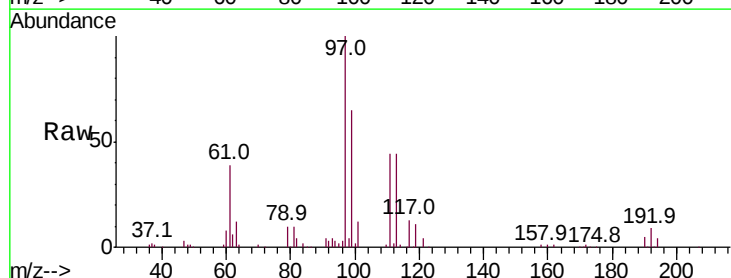
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

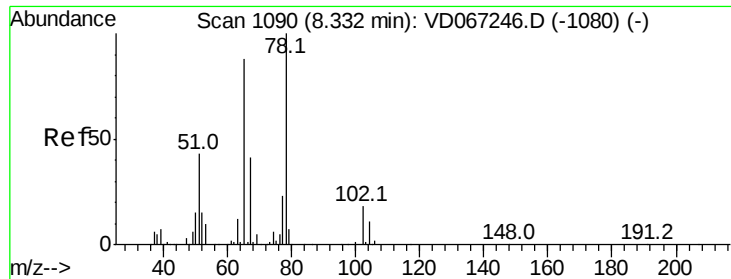
Tot Ion: 56 Resp: 172013
Ion Ratio Lower Upper
56 100
69 39.6 29.8 44.6
84 105.4 76.6 114.8



#32
1,1,1-Trichloroethane
Concen: 51.326 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.01 min
Lab File: VD067384.D
Acq: 26 Oct 2020 11:20

Tgt Ion: 97 Resp: 288237
Ion Ratio Lower Upper
97 100
99 63.9 50.2 75.4
61 38.7 30.5 45.7

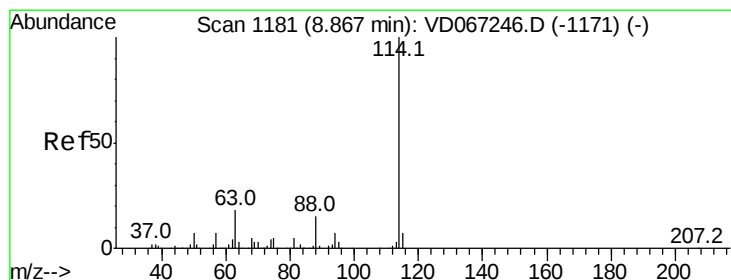
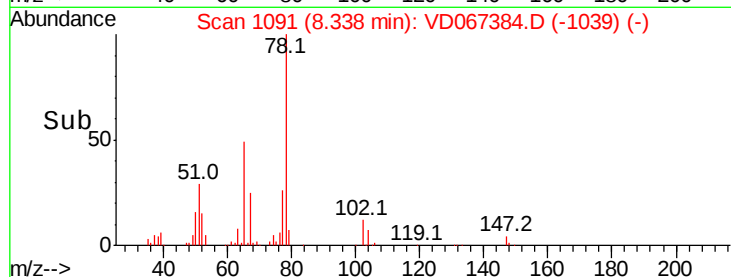
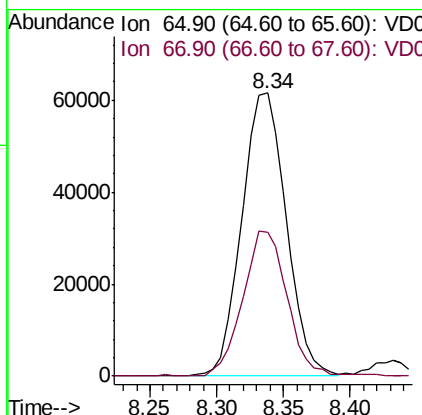
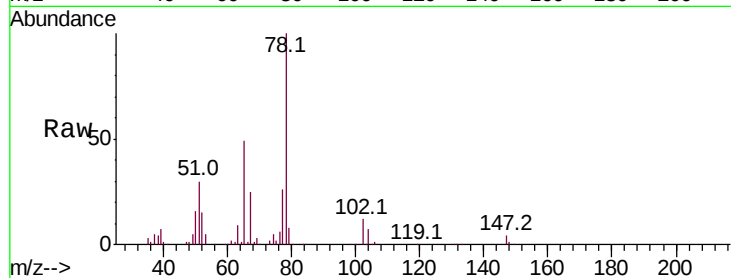




#33
 1,2-Dichloroethane-d4
 Concen: 43.716 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.01 min
 Lab File: VD067384.D
 Acq: 26 Oct 2020 11:20

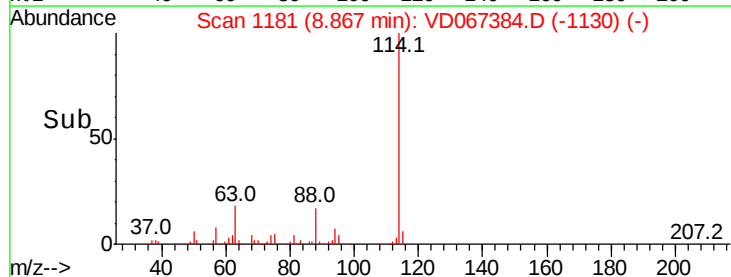
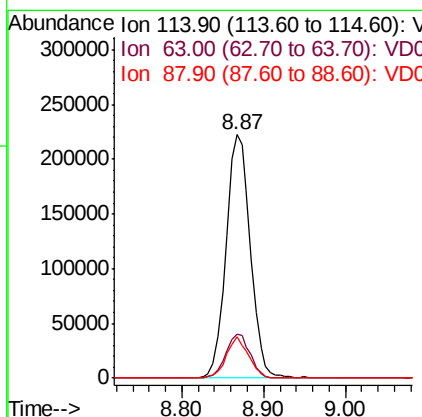
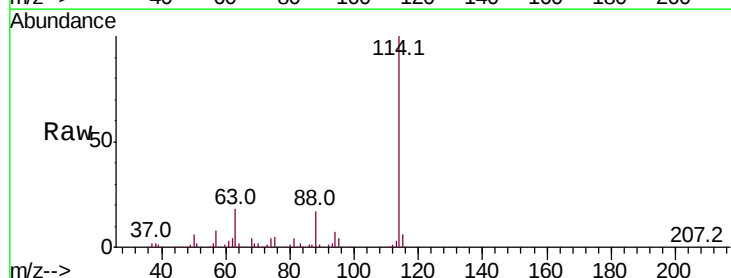
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

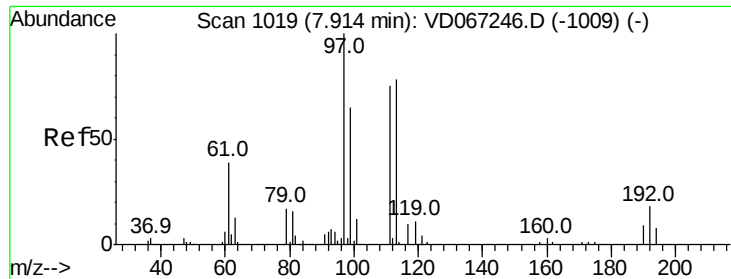
Tot Ion: 65 Resp: 141982
 Ion Ratio Lower Upper
 65 100
 67 50.9 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD067384.D
 Acq: 26 Oct 2020 11:20

Tgt Ion: 114 Resp: 458621
 Ion Ratio Lower Upper
 114 100
 63 18.1 0.0 35.0
 88 17.3 0.0 30.6

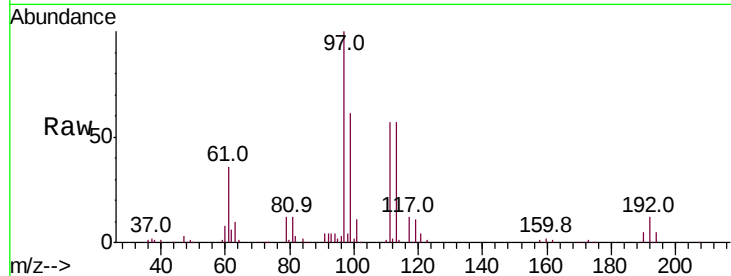




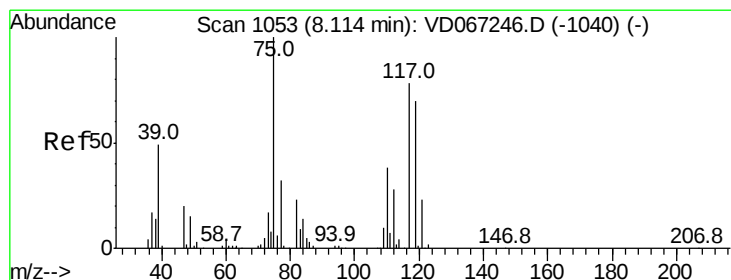
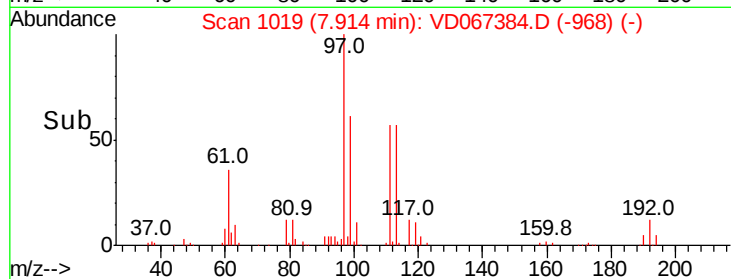
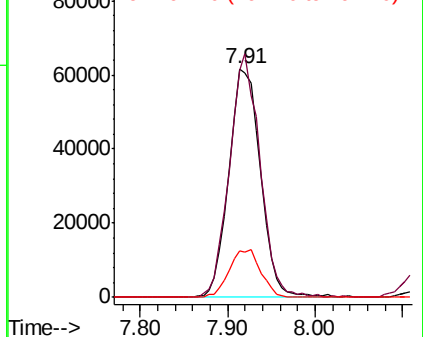
#35
 Dibromofluoromethane
 Concen: 49.443 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VD067384.D
 Acq: 26 Oct 2020 11:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.5	81.6	122.4
192	20.9	17.0	25.4

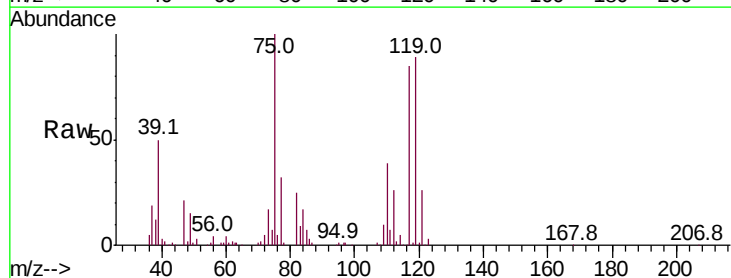


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

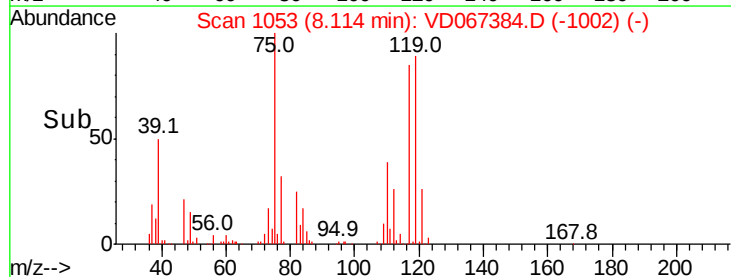
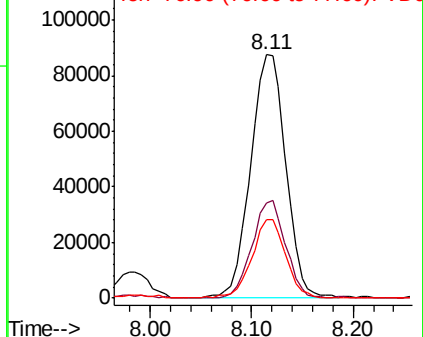


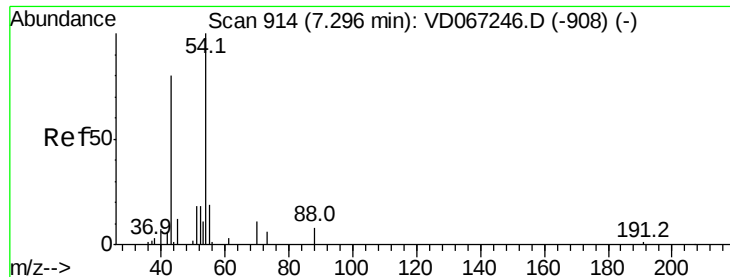
#36
 1,1-Dichloropropene
 Concen: 53.976 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD067384.D
 Acq: 26 Oct 2020 11:20

Tgt Ion	Ratio	Lower	Upper
75	100		
110	38.4	19.6	58.7
77	31.1	24.6	37.0



Abundance Ion 74.90 (74.60 to 75.60): VDC
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VDC





#37

Ethyl Acetate

Concen: 48.514 ug/l

RT: 7.29 min Scan# 913

Delta R.T. -0.01 min

Lab File: VD067384.D

Acq: 26 Oct 2020 11:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

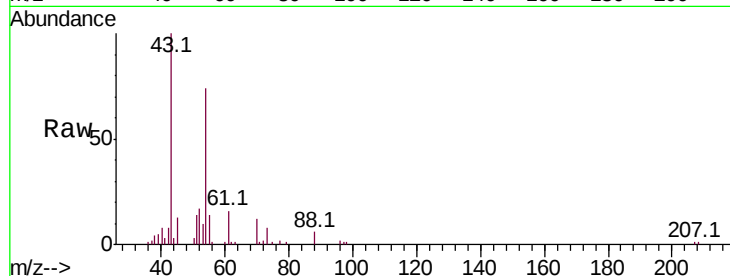
Tot Ion: 43 Resp: 55483

Ion Ratio Lower Upper

43 100

61 16.1 15.6 23.4

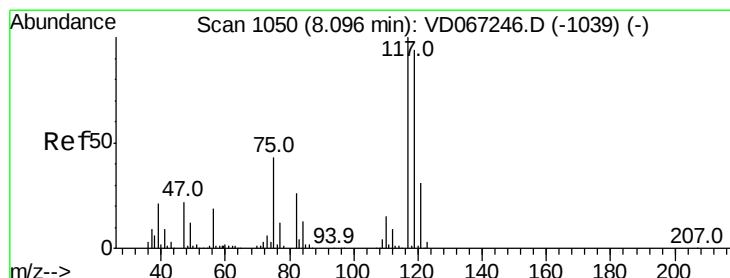
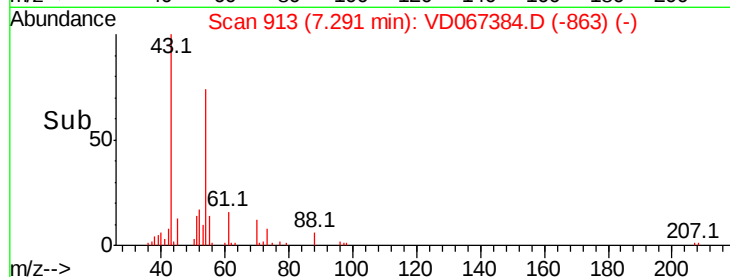
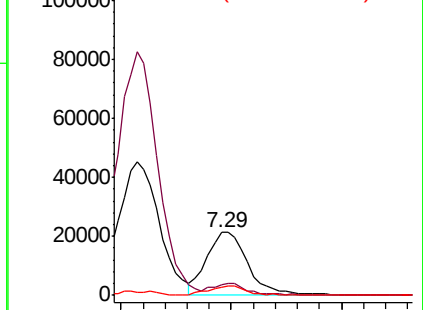
70 13.5 10.4 15.6



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 70.00 (69.70 to 70.70): VDC



#38

Carbon Tetrachloride

Concen: 56.638 ug/l

RT: 8.10 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VD067384.D

Acq: 26 Oct 2020 11:20

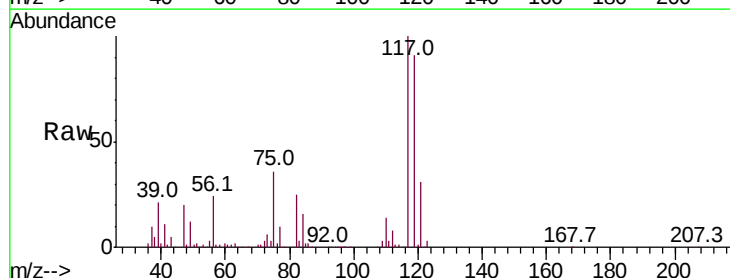
Tgt Ion: 117 Resp: 281382

Ion Ratio Lower Upper

117 100

119 91.6 75.0 112.4

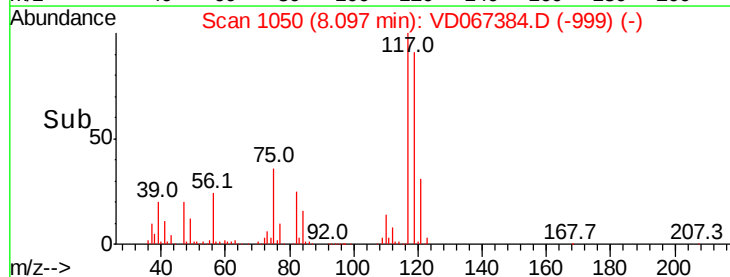
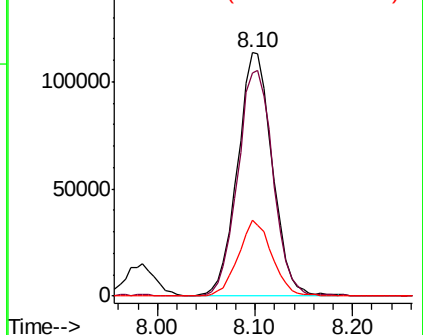
121 31.1 24.9 37.3

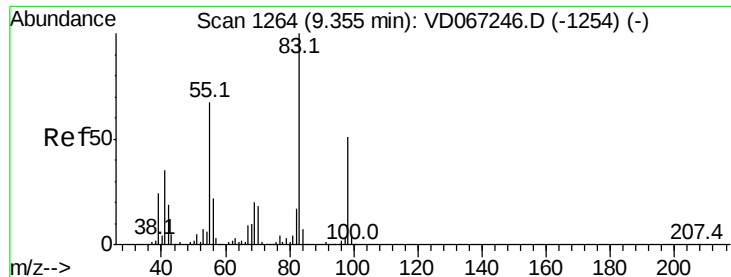


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

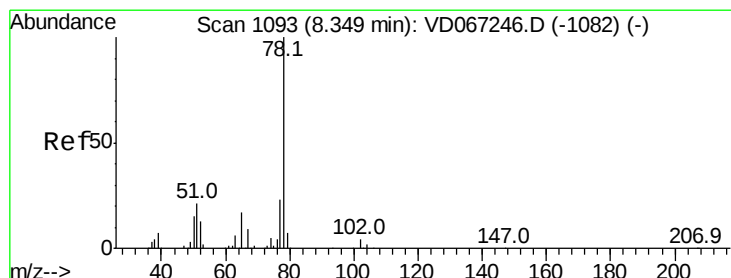
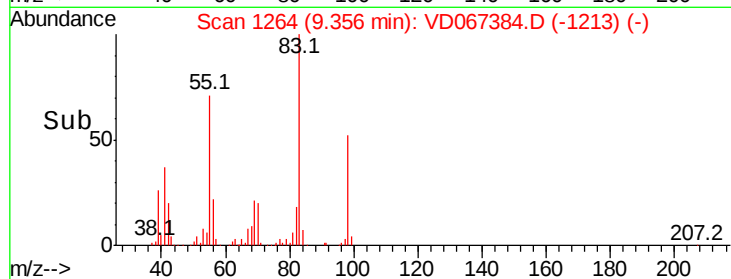
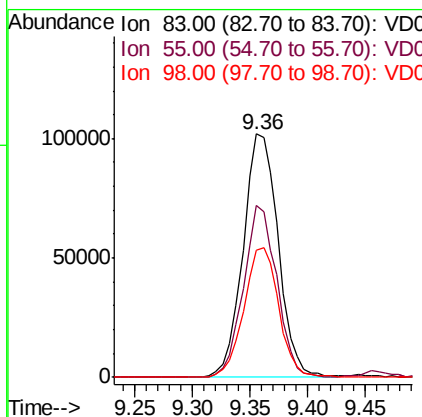
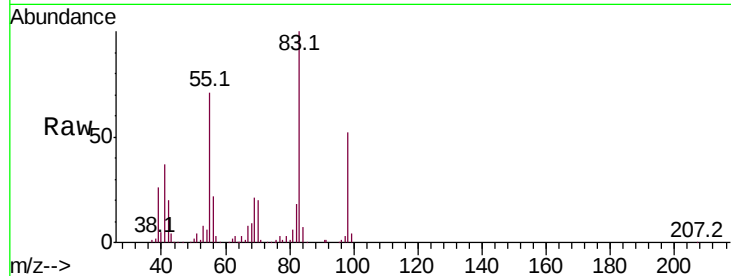




#39
Methvlcvclohexane
Concen: 53.233 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD067384.D
Acq: 26 Oct 2020 11:20

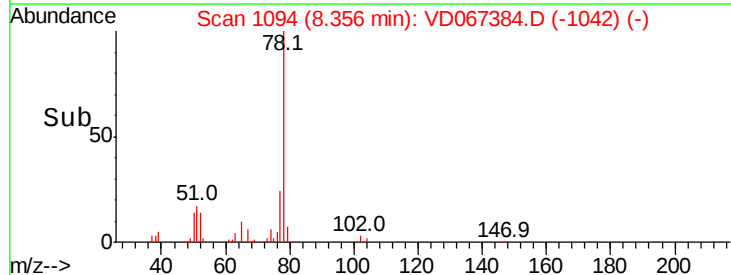
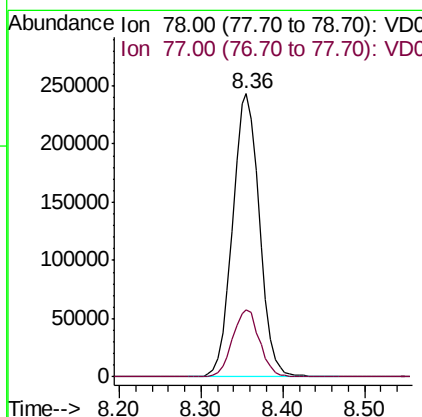
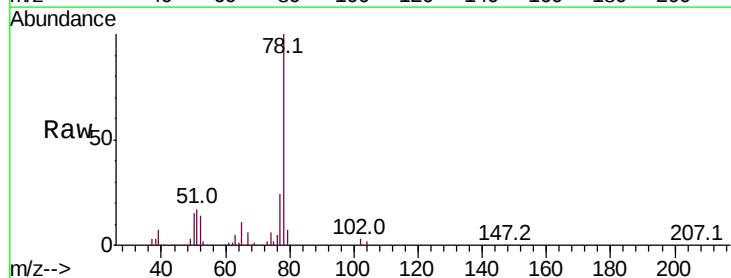
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

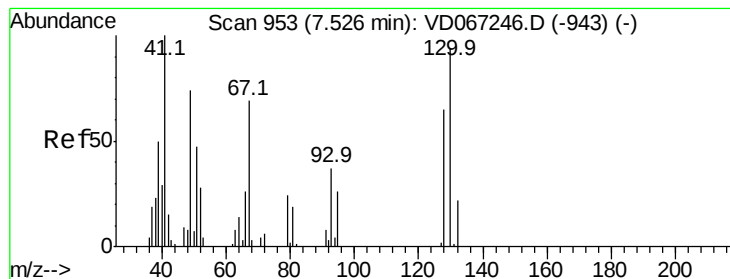
Tot Ion: 83 Resp: 216322
Ion Ratio Lower Upper
83 100
55 70.7 53.3 79.9
98 52.1 41.0 61.4



#40
Benzene
Concen: 51.963 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.01 min
Lab File: VD067384.D
Acq: 26 Oct 2020 11:20

Tgt Ion: 78 Resp: 554128
Ion Ratio Lower Upper
78 100
77 23.8 18.3 27.5





#41

Methacrylonitrile

Concen: 38.954 ug/l

RT: 7.52 min Scan# 952

Delta R.T. -0.01 min

Lab File: VD067384.D

Acq: 26 Oct 2020 11:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 24074

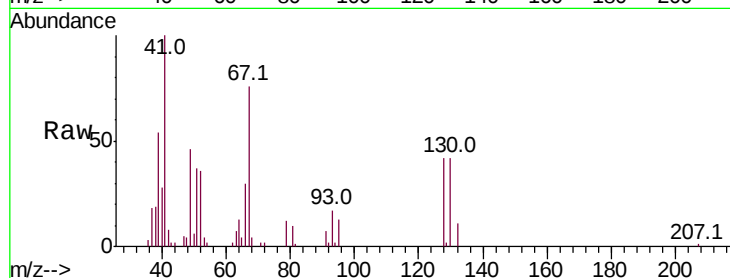
Ion Ratio Lower Upper

41 100

39 79.9 60.0 90.0

67 114.8 88.9 133.3

52 49.6 36.9 55.3

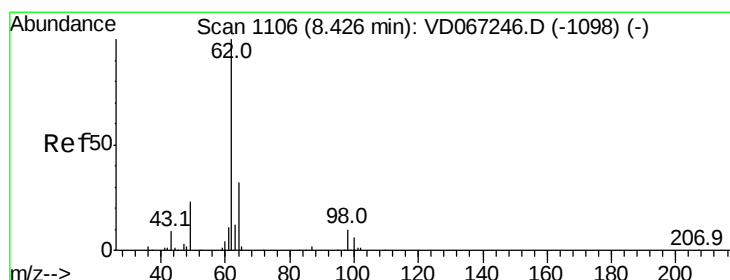
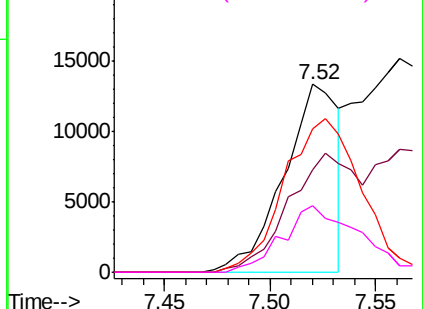
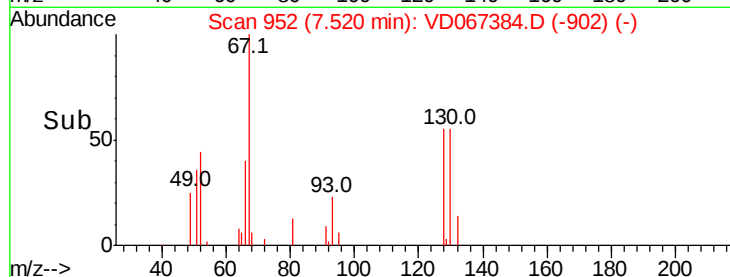


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 48.798 ug/l

RT: 8.43 min Scan# 1107

Delta R.T. 0.01 min

Lab File: VD067384.D

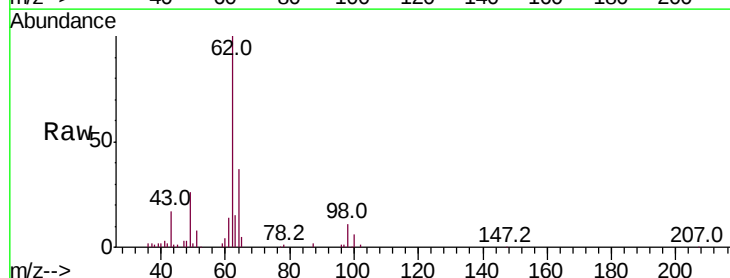
Acq: 26 Oct 2020 11:20

Tgt Ion: 62 Resp: 162849

Ion Ratio Lower Upper

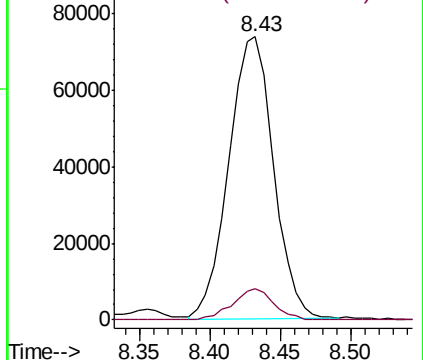
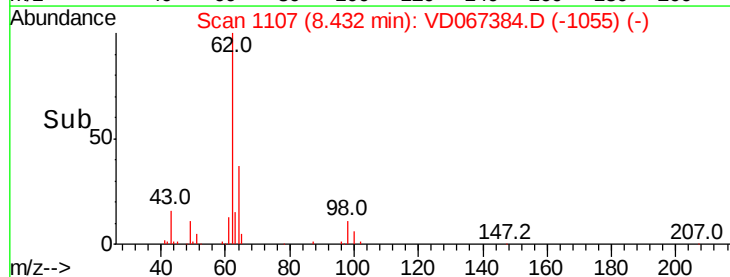
62 100

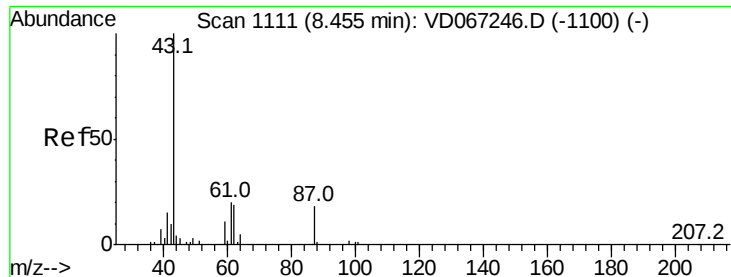
98 10.2 0.0 19.4



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 47.851 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD067384.D

Acq: 26 Oct 2020 11:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

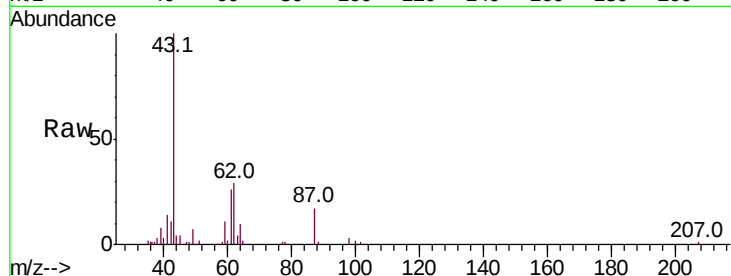
Tot Ion: 43 Resp: 108590

Ion Ratio Lower Upper

43 100

61 37.8 29.5 44.3

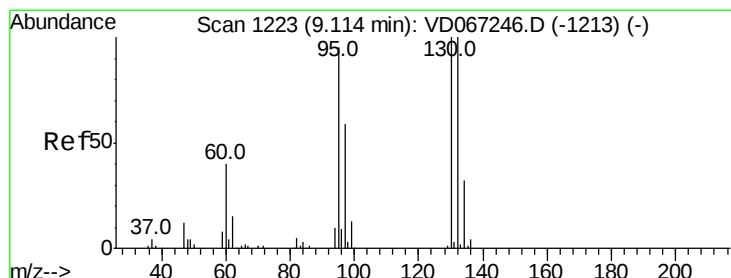
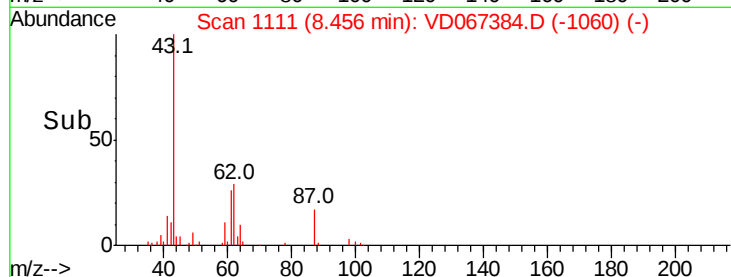
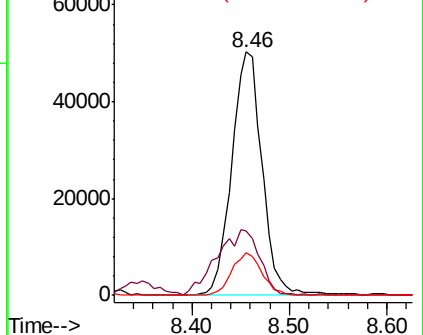
87 17.1 14.2 21.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 51.864 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD067384.D

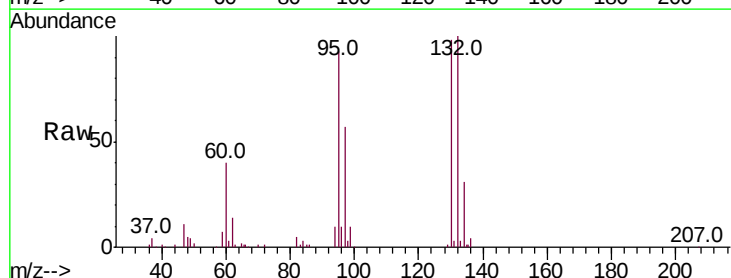
Acq: 26 Oct 2020 11:20

Tgt Ion:130 Resp: 177081

Ion Ratio Lower Upper

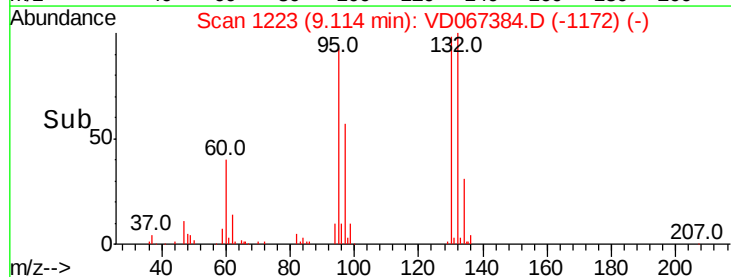
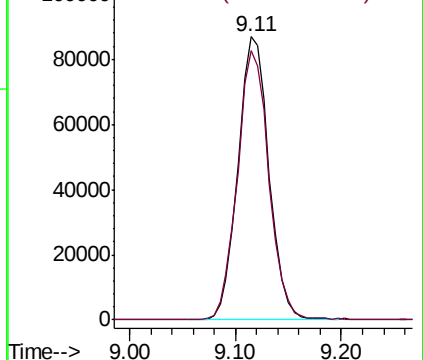
130 100

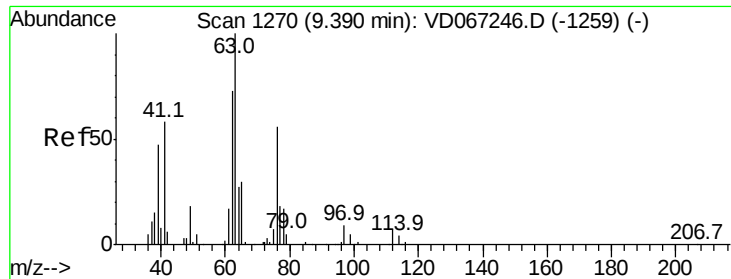
95 95.4 0.0 190.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 49.395 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD067384.D

Acq: 26 Oct 2020 11:20

Instrument :

MSVOA_D

ClientSampleId :

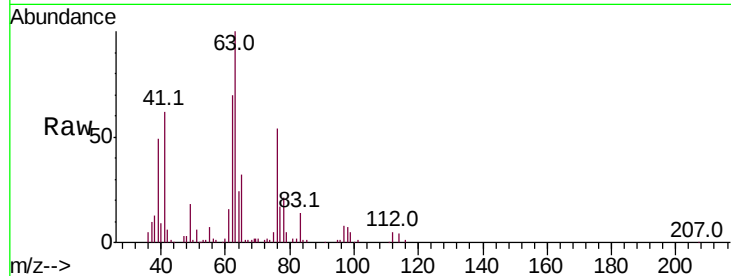
VSTDCCC050

Tot Ion: 63 Resp: 122076

Ion Ratio Lower Upper

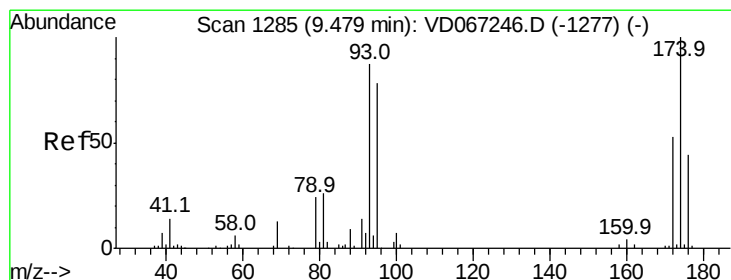
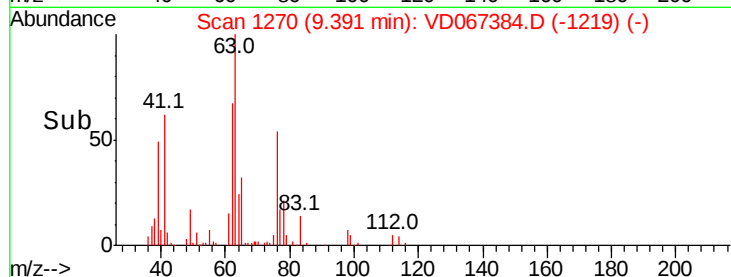
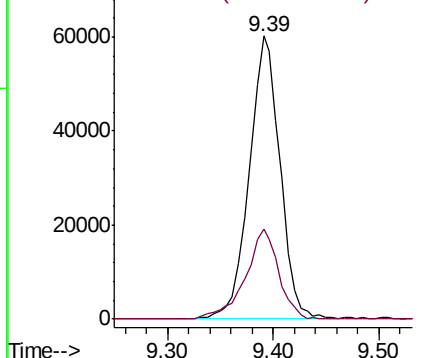
63 100

65 32.0 24.6 36.8



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 47.734 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD067384.D

Acq: 26 Oct 2020 11:20

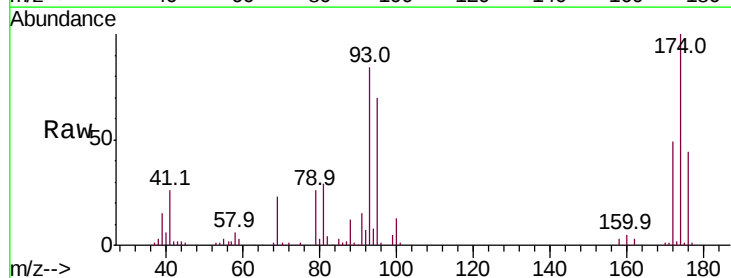
Tgt Ion: 93 Resp: 73502

Ion Ratio Lower Upper

93 100

95 85.0 68.0 102.0

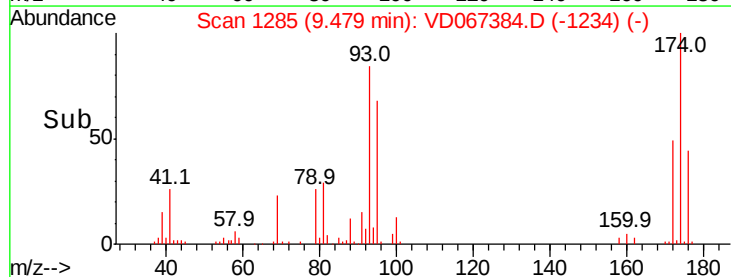
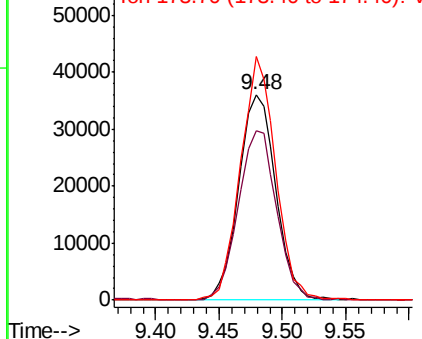
174 111.6 91.8 137.6

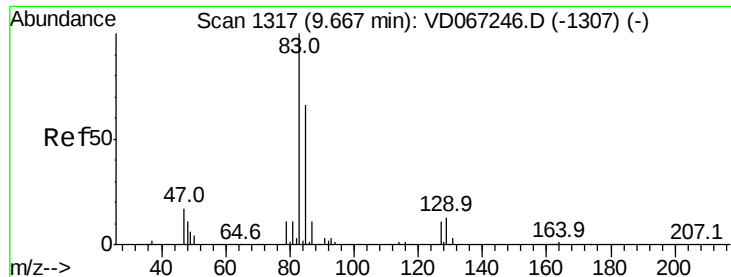


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 51.079 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD067384.D

Acq: 26 Oct 2020 11:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

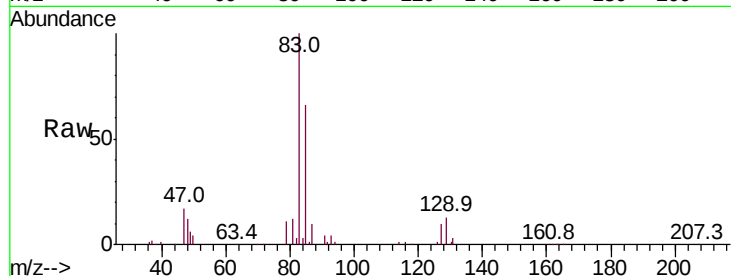
Tot Ion: 83 Resp: 210730

Ion Ratio Lower Upper

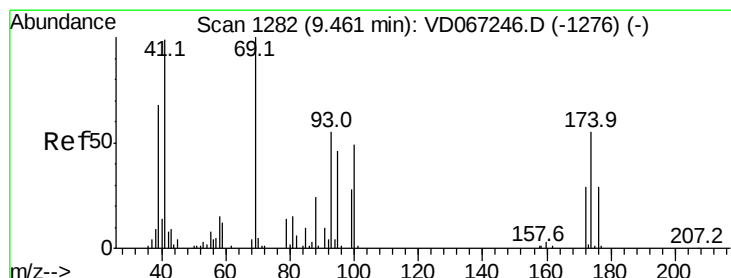
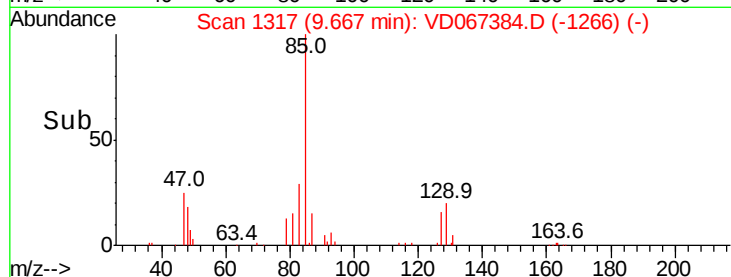
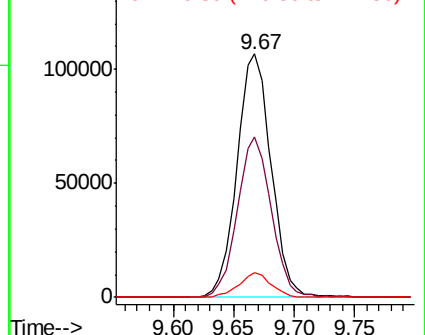
83 100

85 66.1 53.1 79.7

127 10.2 8.6 13.0



Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC
Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 48.062 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD067384.D

Acq: 26 Oct 2020 11:20

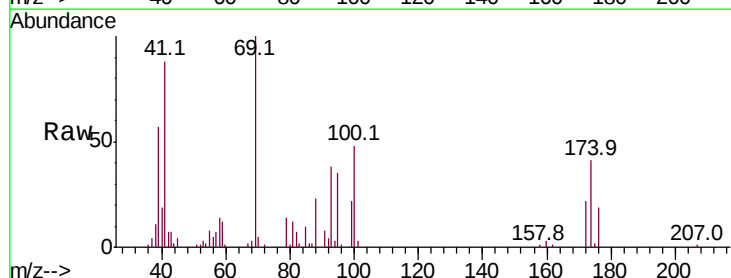
Tgt Ion: 41 Resp: 53003

Ion Ratio Lower Upper

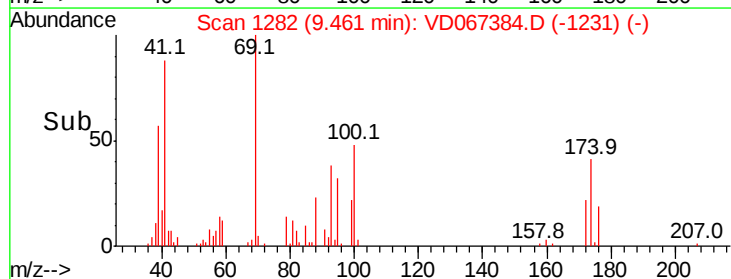
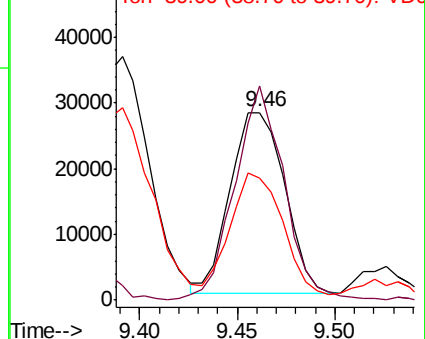
41 100

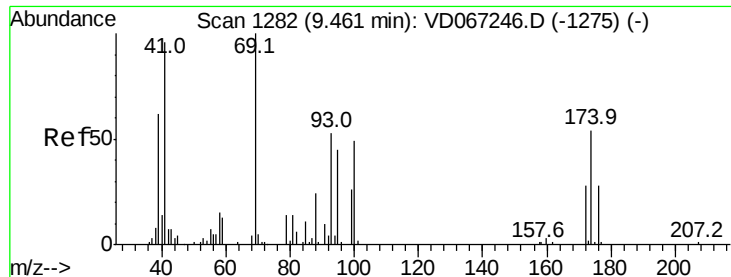
69 108.1 89.0 133.6

39 63.9 60.2 90.2



Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 39.00 (38.70 to 39.70): VDC





#49

1,4-Dioxane

Concen: 1063.920 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD067384.D

Acq: 26 Oct 2020 11:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

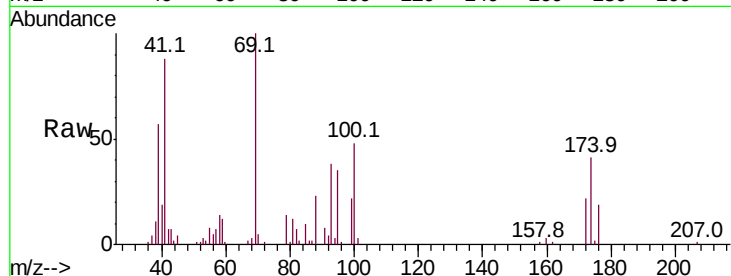
Tot Ion: 88 Resp: 15825

Ion Ratio Lower Upper

88 100

43 26.2 23.9 35.9

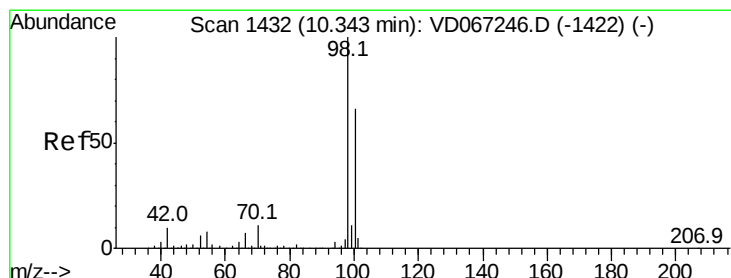
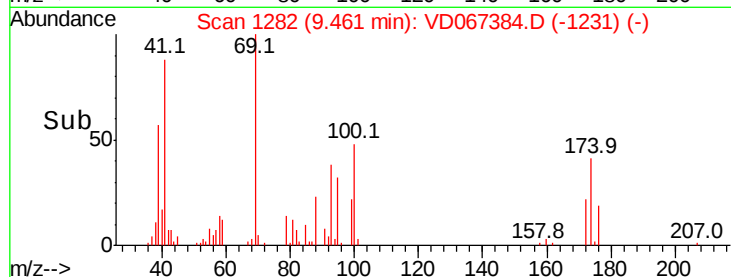
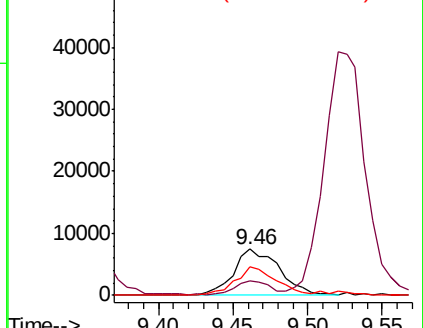
58 55.9 51.0 76.6



Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#50

Toluene-d8

Concen: 49.574 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD067384.D

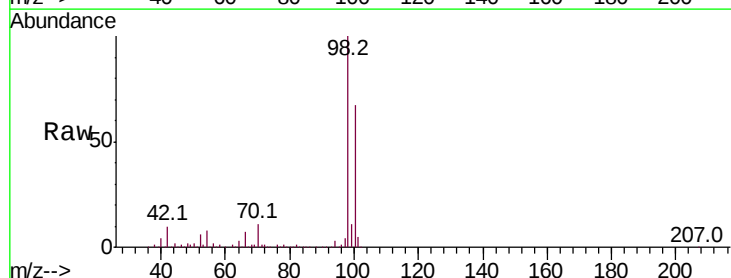
Acq: 26 Oct 2020 11:20

Tgt Ion: 98 Resp: 547566

Ion Ratio Lower Upper

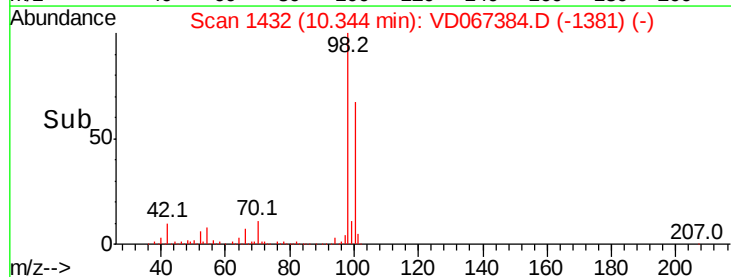
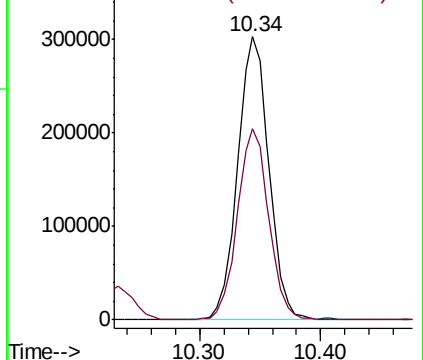
98 100

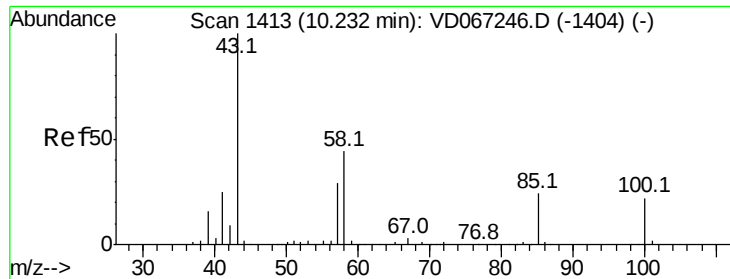
100 68.0 53.1 79.7



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC

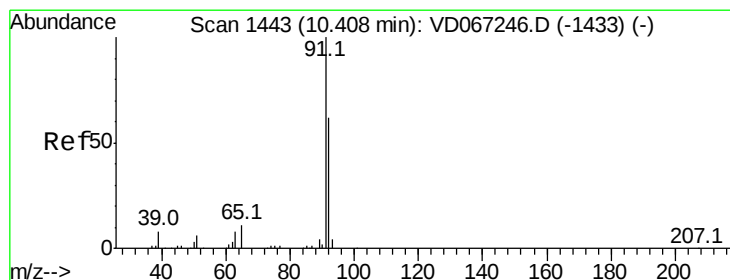
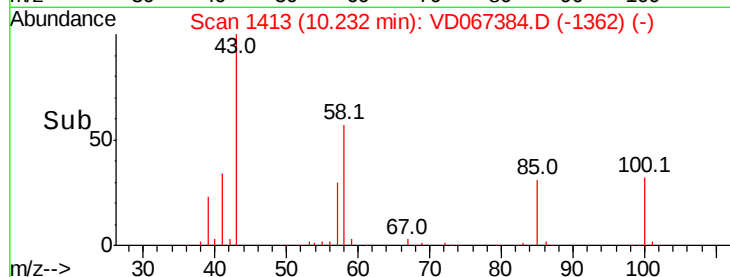
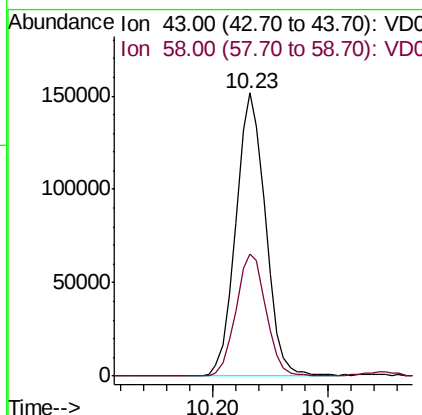
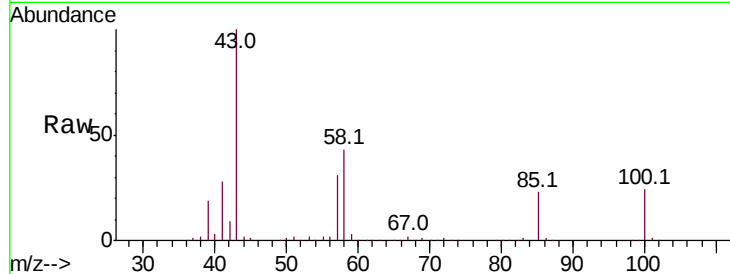




#51
4-Methyl-2-Pentanone
Concen: 237.350 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. 0.00 min
Lab File: VD067384.D
Acq: 26 Oct 2020 11:20

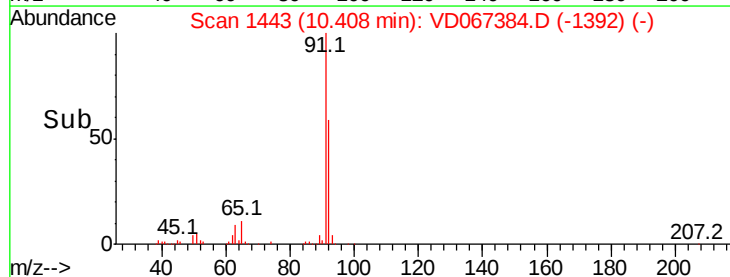
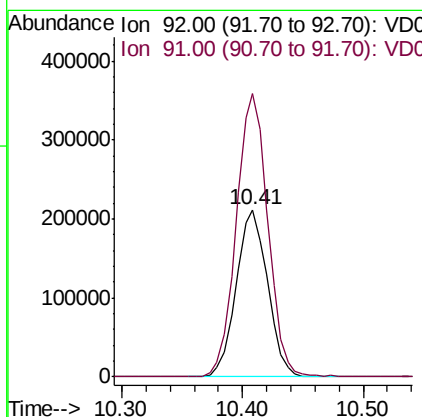
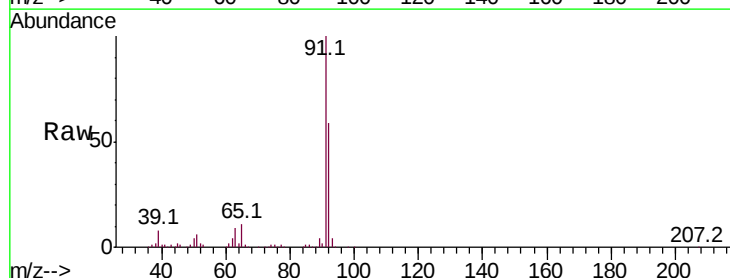
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

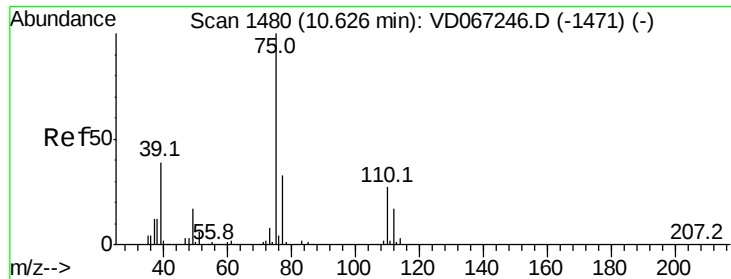
Tot Ion: 43 Resp: 268649
Ion Ratio Lower Upper
43 100
58 43.9 35.7 53.5



#52
Toluene
Concen: 52.923 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. 0.00 min
Lab File: VD067384.D
Acq: 26 Oct 2020 11:20

Tgt Ion: 92 Resp: 384386
Ion Ratio Lower Upper
92 100
91 170.0 133.8 200.8

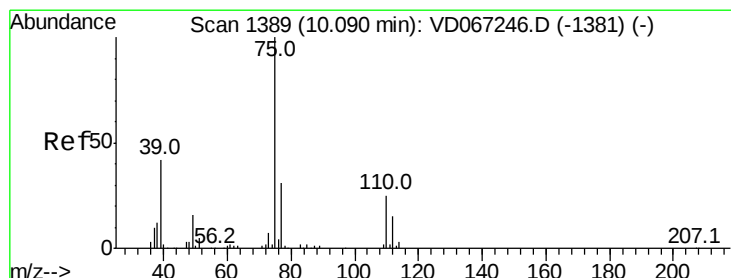
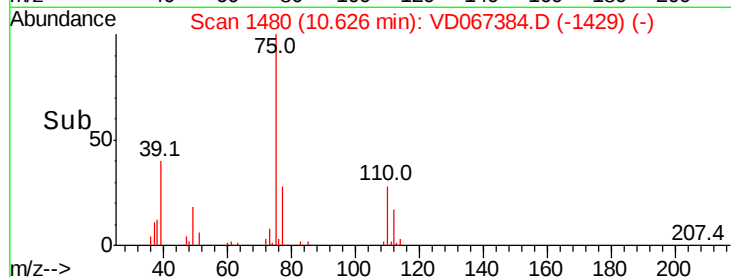
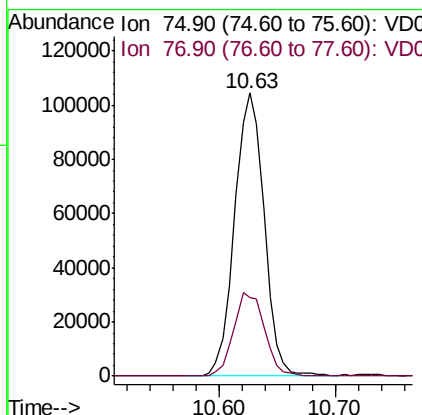
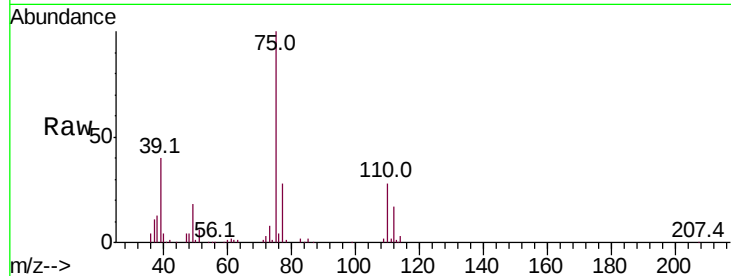




#53
t-1,3-Dichloropropene
Concen: 51.120 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.00 min
Lab File: VD067384.D
Acq: 26 Oct 2020 11:20

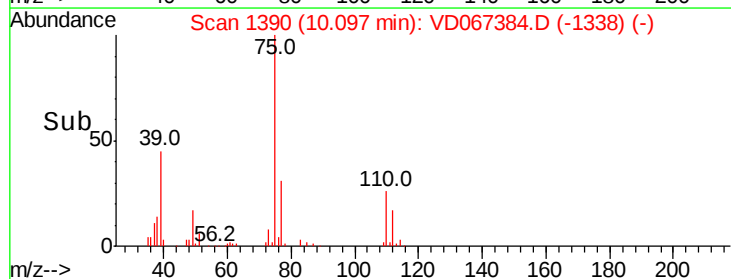
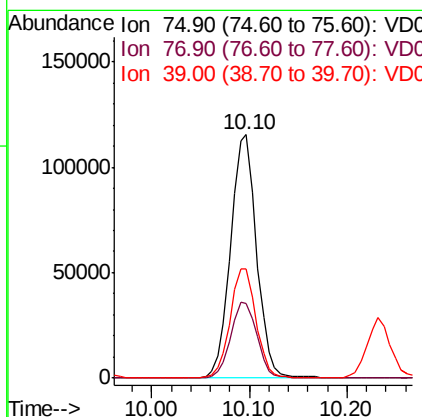
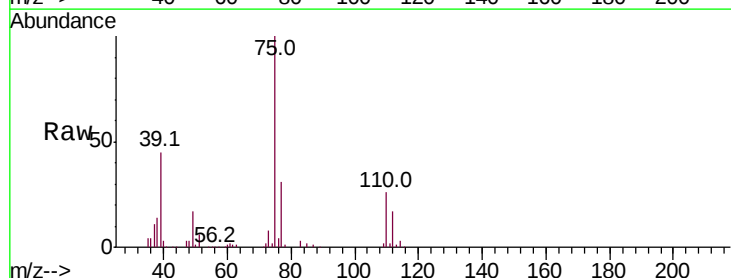
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

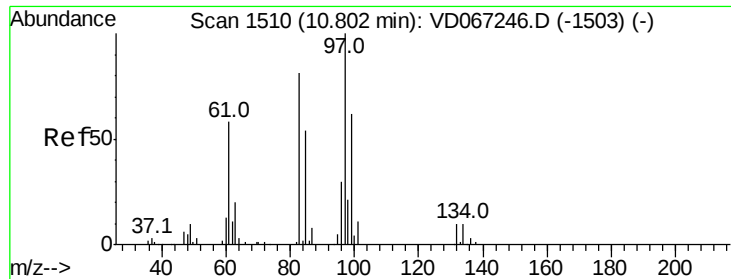
Tot Ion: 75 Resp: 185265
Ion Ratio Lower Upper
75 100
77 27.8 26.5 39.7



#54
cis-1,3-Dichloropropene
Concen: 50.383 ug/l
RT: 10.10 min Scan# 1390
Delta R.T. 0.01 min
Lab File: VD067384.D
Acq: 26 Oct 2020 11:20

Tgt Ion: 75 Resp: 213689
Ion Ratio Lower Upper
75 100
77 30.7 24.5 36.7
39 44.4 33.7 50.5

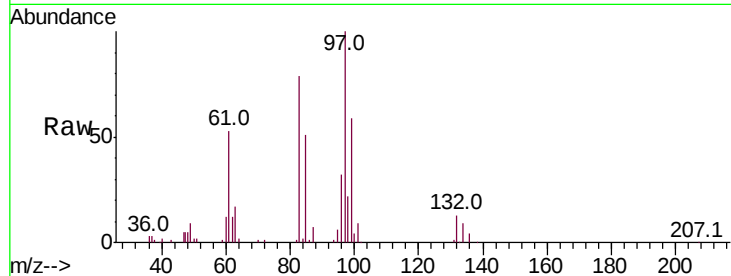




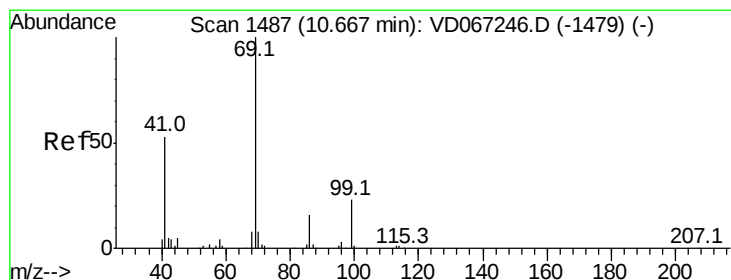
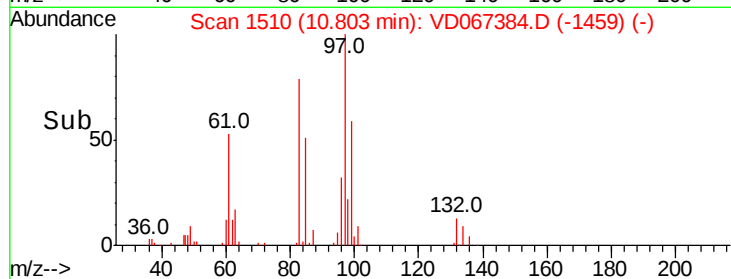
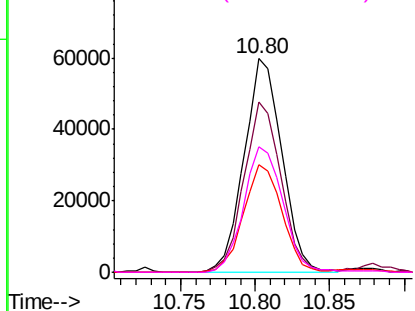
#55
 1,1,2-Trichloroethane
 Concen: 49.889 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD067384.D
 Acq: 26 Oct 2020 11:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	104755
Ion	Ratio	Lower	Upper
97	100		
83	79.5	64.9	97.3
85	50.5	43.3	64.9
99	58.5	49.1	73.7

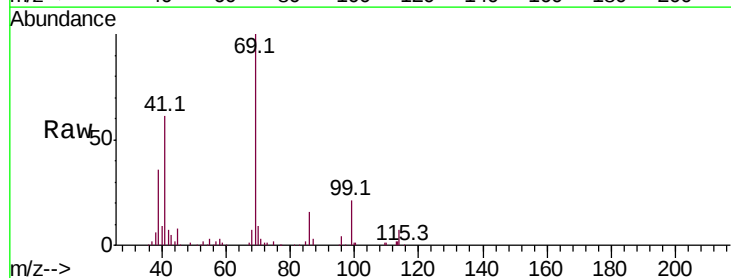


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

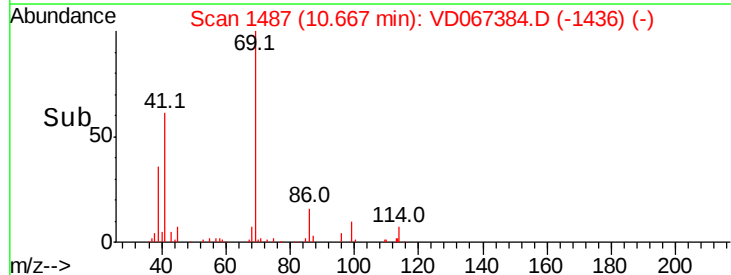
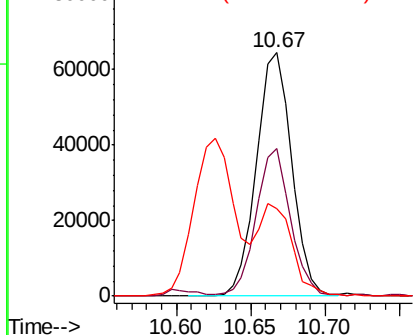


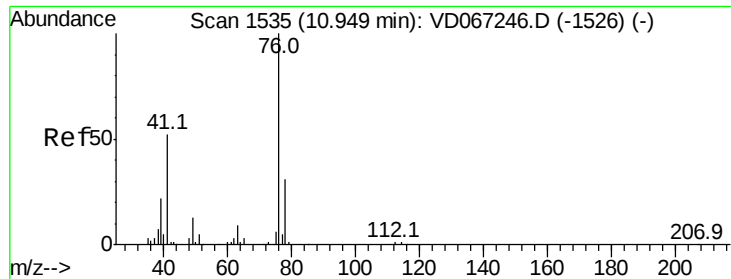
#56
 Ethyl methacrylate
 Concen: 48.429 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD067384.D
 Acq: 26 Oct 2020 11:20

Tgt Ion:	69	Resp:	105463
Ion	Ratio	Lower	Upper
69	100		
41	58.7	44.7	67.1
39	35.4	26.2	39.2



Abundance Ion 69.00 (68.70 to 69.70): VDC
 Ion 41.00 (40.70 to 41.70): VDC
 Ion 39.00 (38.70 to 39.70): VDC





#57

1,3-Dichloropropane

Concen: 49.686 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD067384.D

Acq: 26 Oct 2020 11:20

Instrument :

MSVOA_D

ClientSampleId :

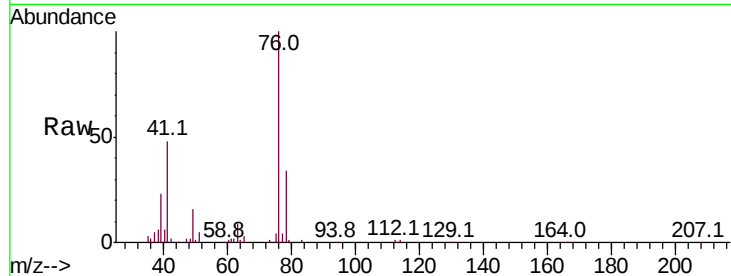
VSTDCCC050

Tot Ion: 76 Resp: 166032

Ion Ratio Lower Upper

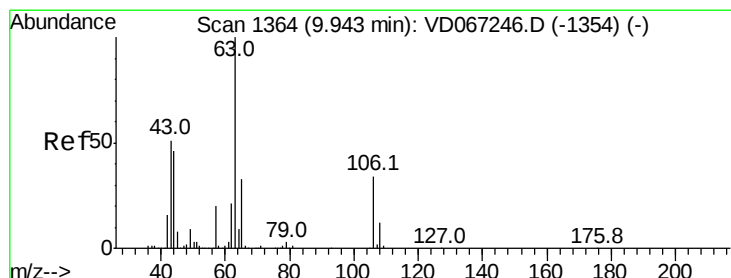
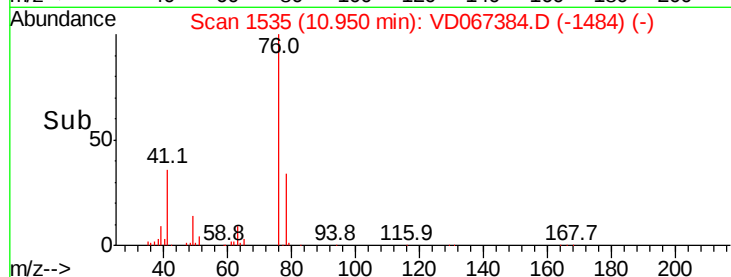
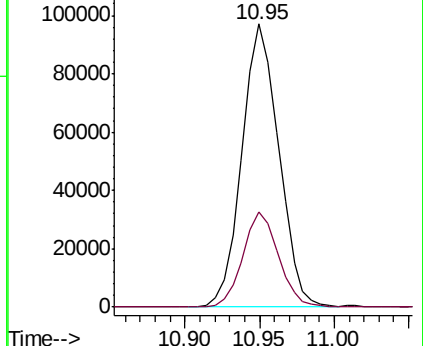
76 100

78 32.5 26.8 40.2



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 238.194 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. 0.00 min

Lab File: VD067384.D

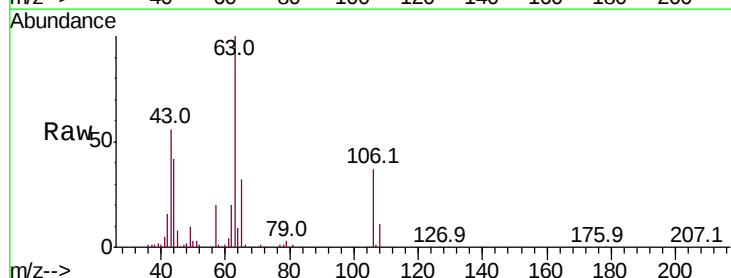
Acq: 26 Oct 2020 11:20

Tgt Ion: 63 Resp: 266099

Ion Ratio Lower Upper

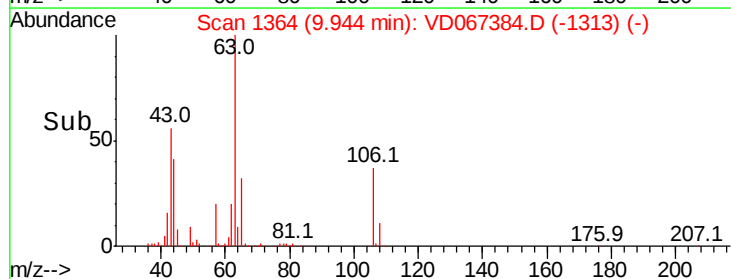
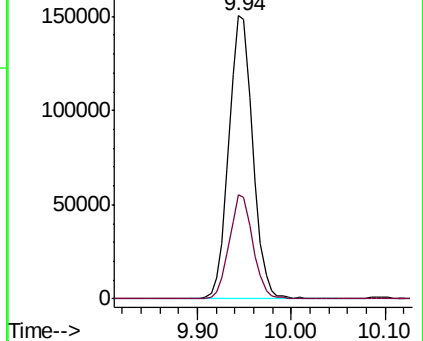
63 100

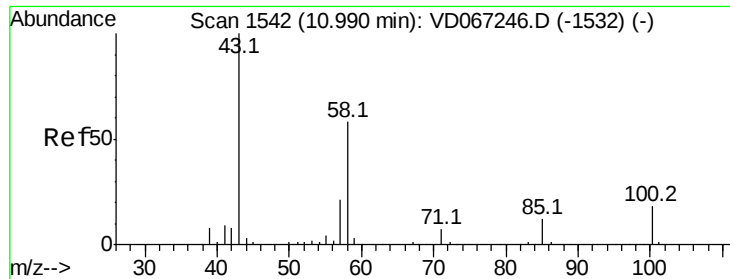
106 36.5 27.8 41.6



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V

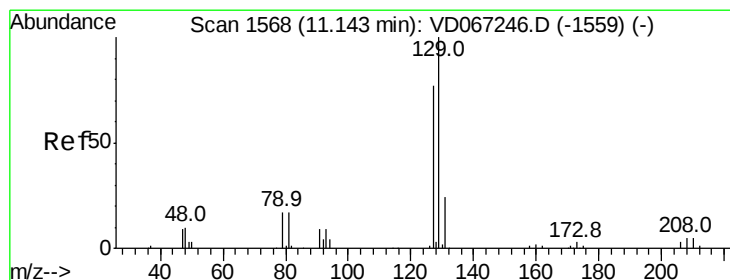
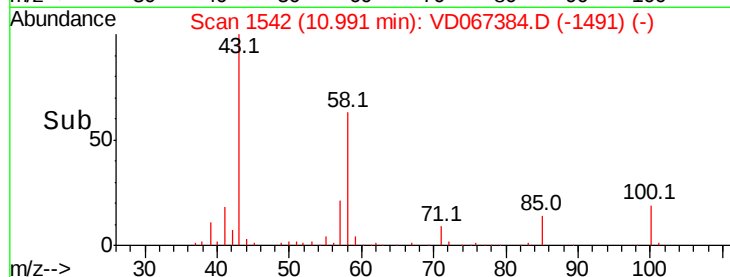
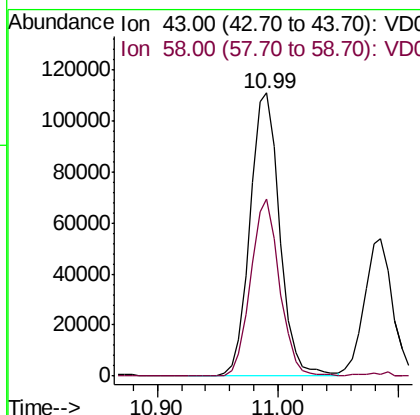
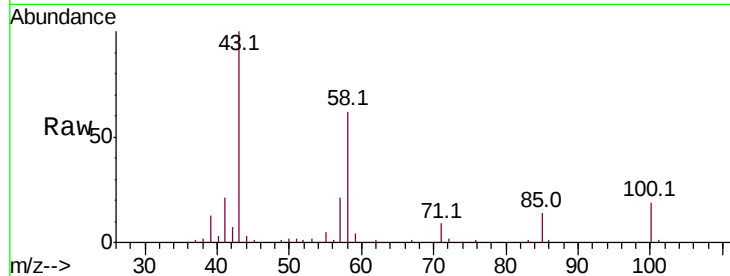




#59
2-Hexanone
Concen: 246.211 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD067384.D
Acq: 26 Oct 2020 11:20

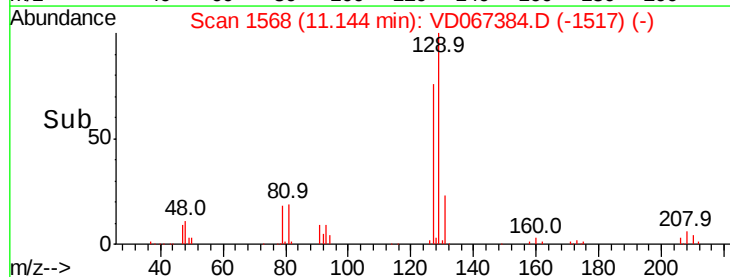
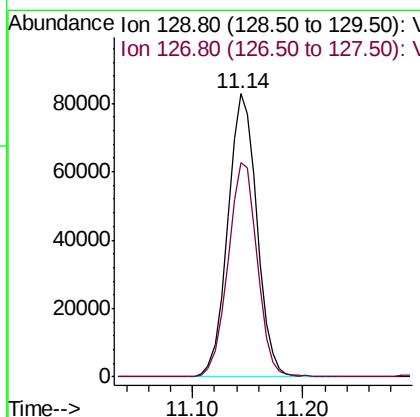
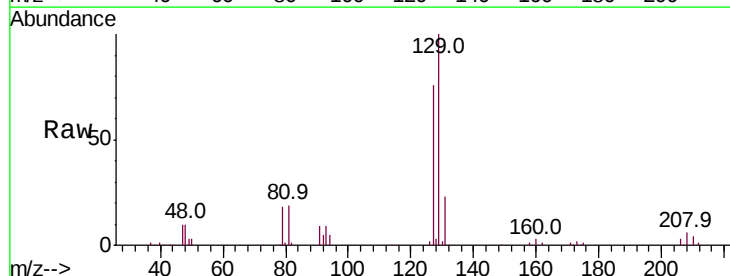
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

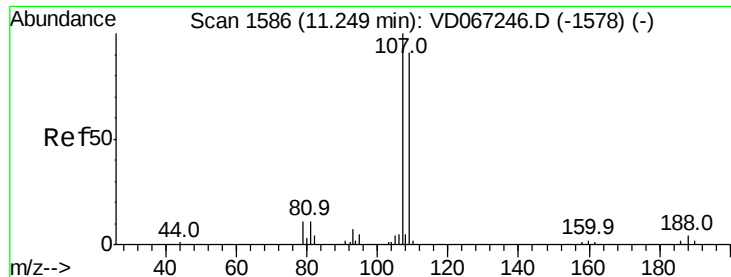
Tot Ion: 43 Resp: 190429
Ion Ratio Lower Upper
43 100
58 60.6 29.3 87.9



#60
Dibromochloromethane
Concen: 49.921 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD067384.D
Acq: 26 Oct 2020 11:20

Tgt Ion: 129 Resp: 152868
Ion Ratio Lower Upper
129 100
127 76.0 38.3 114.8

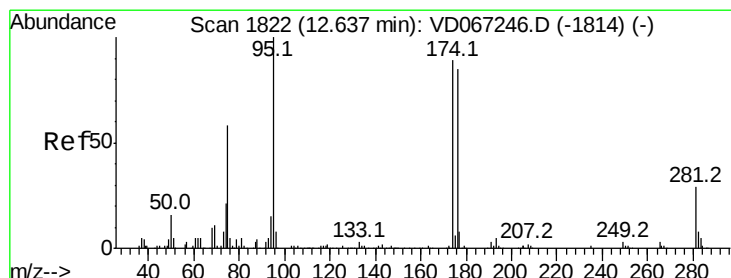
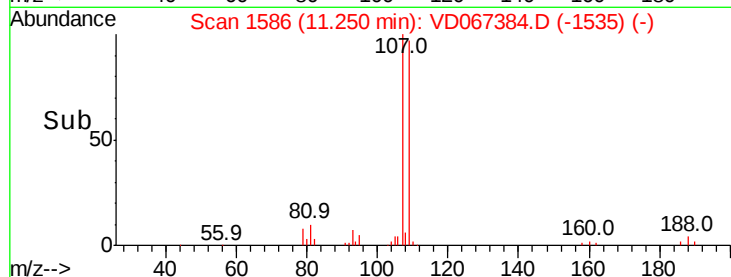
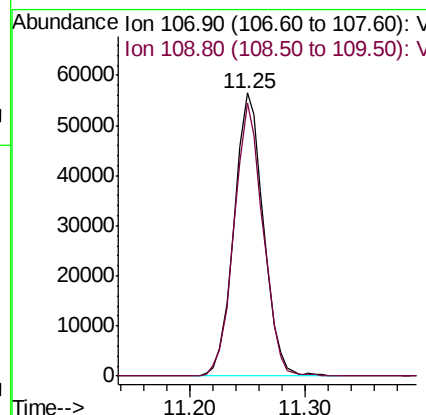
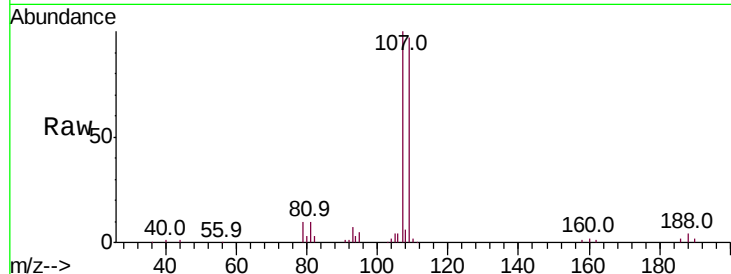




#61
 1,2-Dibromoethane
 Concen: 48.127 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD067384.D
 Acq: 26 Oct 2020 11:20

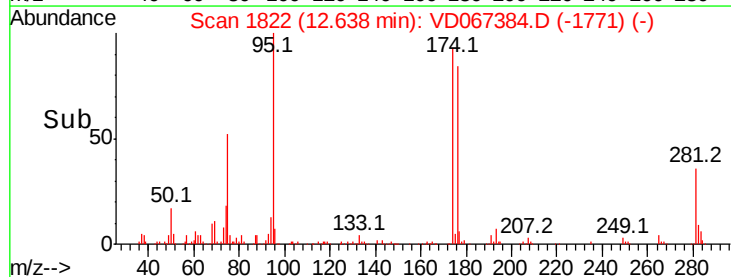
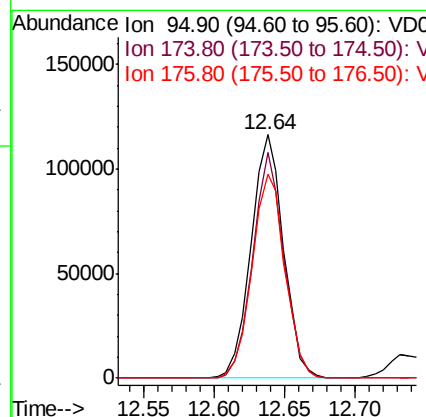
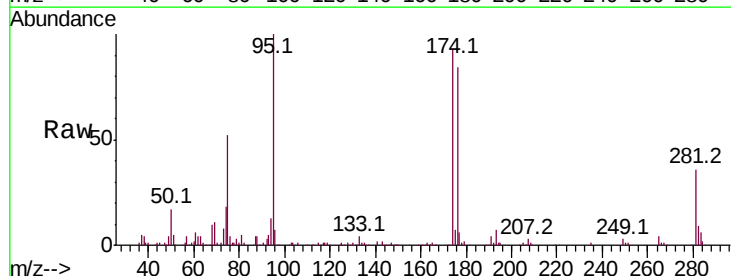
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

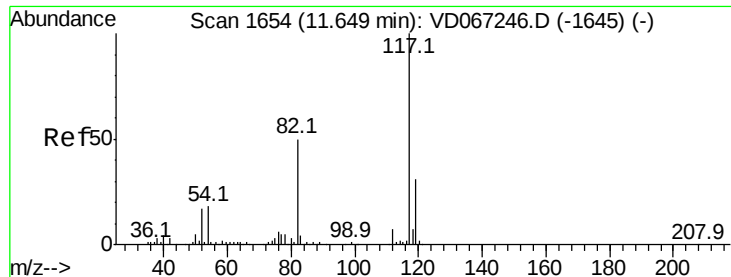
Tot Ion:107 Resp: 99626
 Ion Ratio Lower Upper
 107 100
 109 95.1 74.6 112.0



#62
 4-Bromofluorobenzene
 Concen: 48.991 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD067384.D
 Acq: 26 Oct 2020 11:20

Tgt Ion: 95 Resp: 188160
 Ion Ratio Lower Upper
 95 100
 174 88.5 0.0 175.2
 176 85.0 0.0 168.6

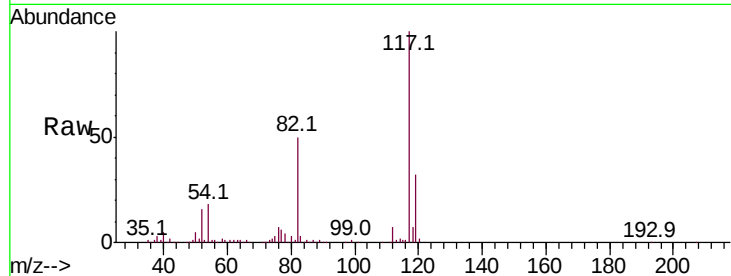




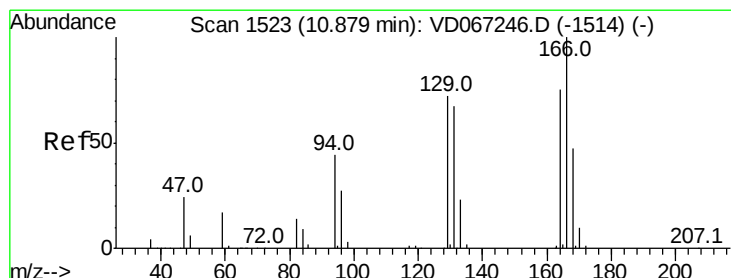
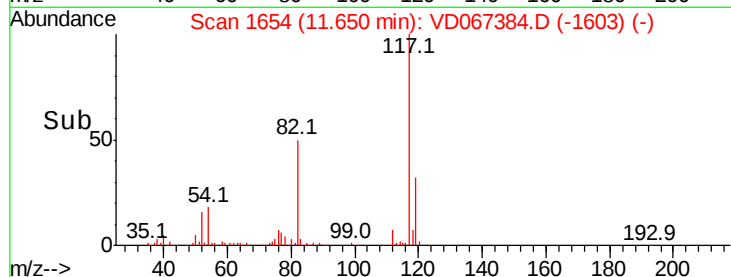
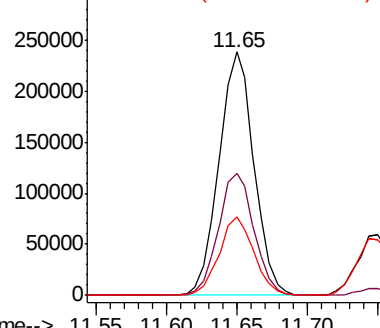
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067384.D
Acq: 26 Oct 2020 11:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:117 Resp: 414856
Ion Ratio Lower Upper
117 100
82 50.2 39.9 59.9
119 32.3 24.9 37.3

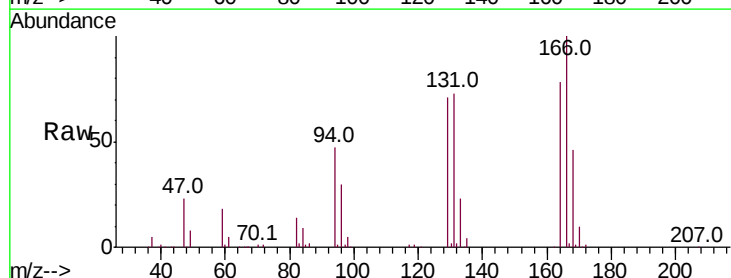


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

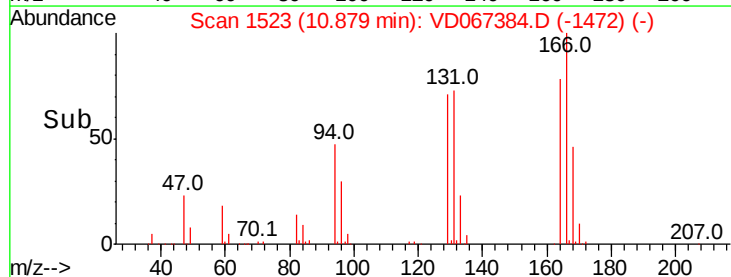
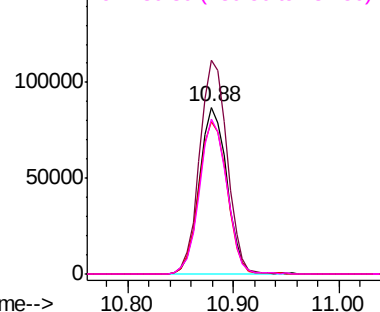


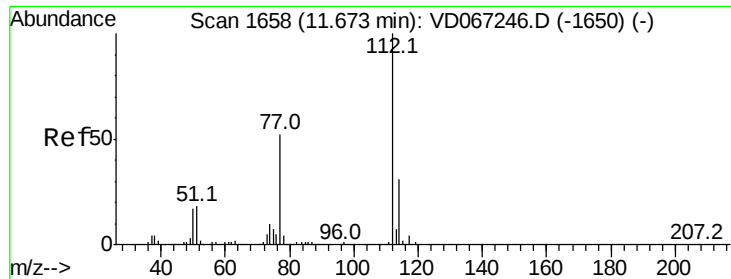
#64
Tetrachloroethene
Concen: 51.896 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD067384.D
Acq: 26 Oct 2020 11:20

Tgt Ion:164 Resp: 155988
Ion Ratio Lower Upper
164 100
166 128.3 107.3 160.9
129 91.3 77.3 115.9
131 93.1 71.4 107.2



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

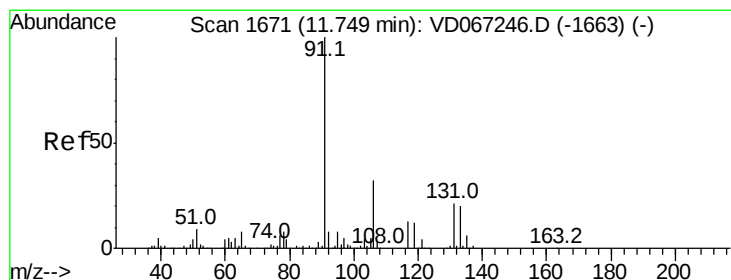
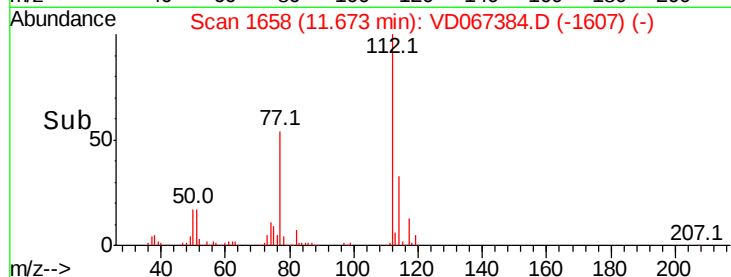
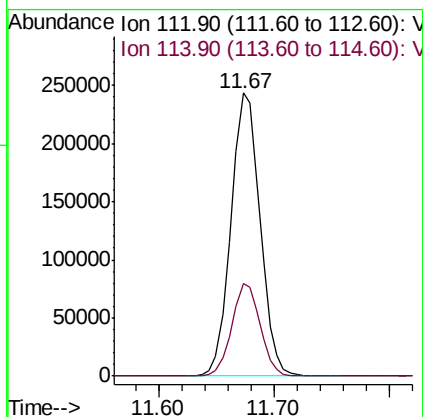
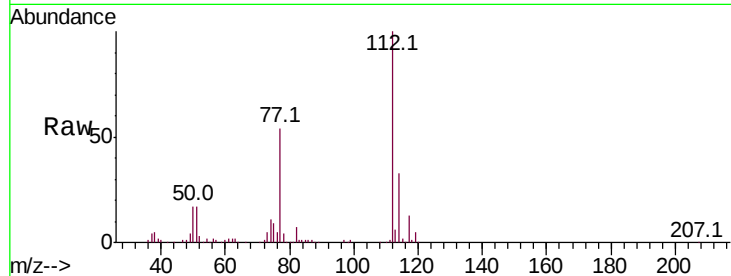




#65
Chlorobenzene
Concen: 53.375 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD067384.D
Acq: 26 Oct 2020 11:20

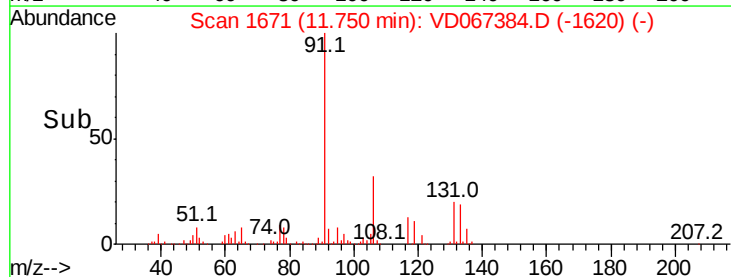
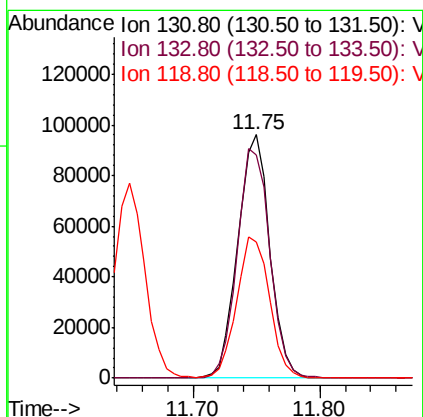
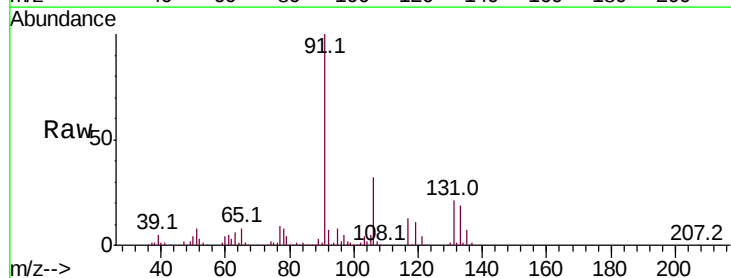
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

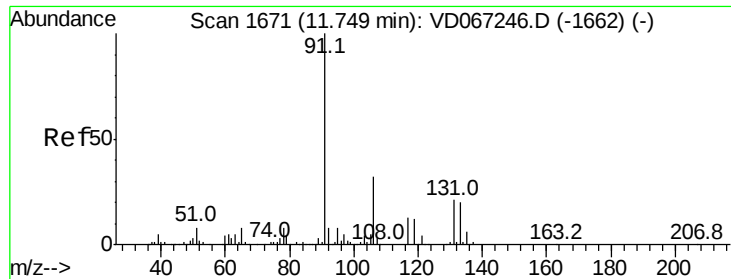
Tot Ion:112 Resp: 424617
Ion Ratio Lower Upper
112 100
114 32.8 25.0 37.4



#66
1,1,1,2-Tetrachloroethane
Concen: 53.200 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD067384.D
Acq: 26 Oct 2020 11:20

Tgt Ion:131 Resp: 168208
Ion Ratio Lower Upper
131 100
133 96.6 48.1 144.3
119 59.7 30.0 90.0

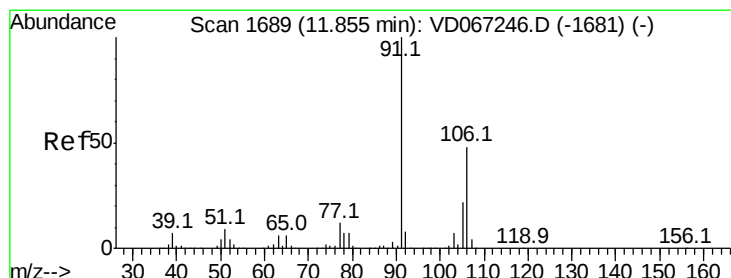
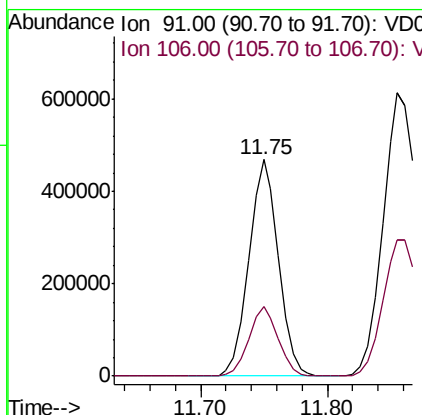
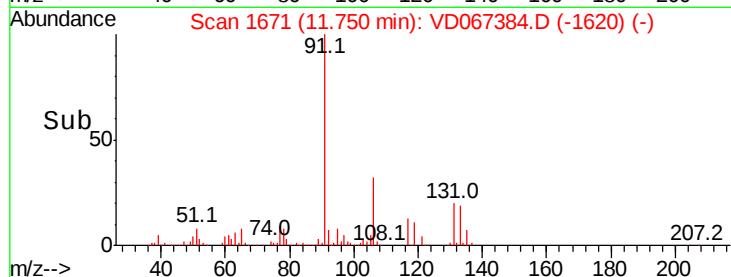
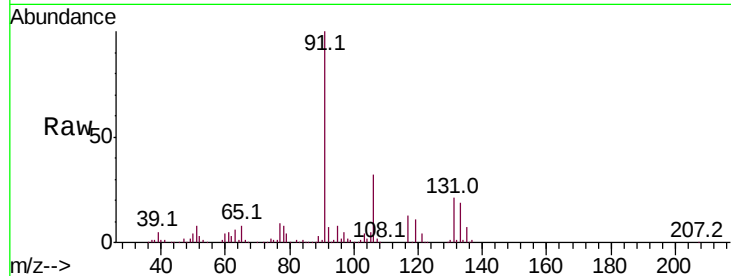




#67
Ethyl Benzene
Concen: 55.719 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD067384.D
Acq: 26 Oct 2020 11:20

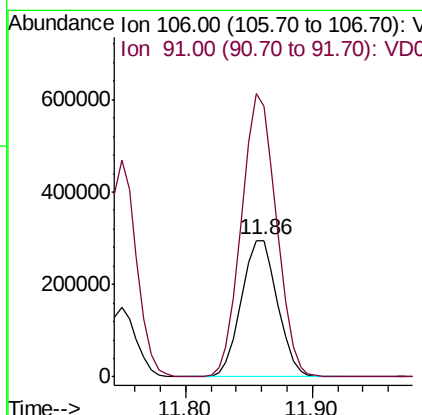
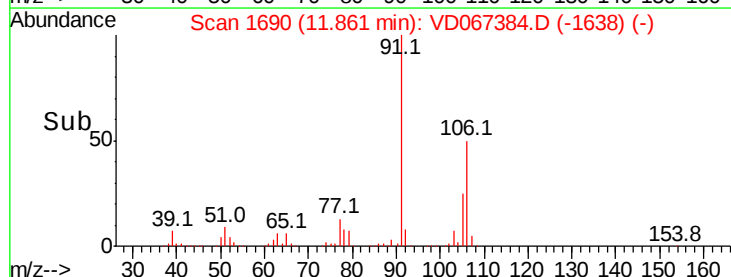
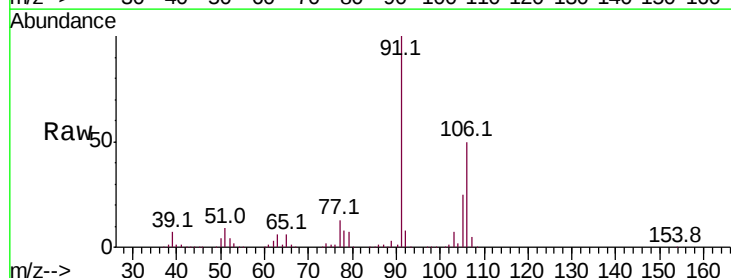
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

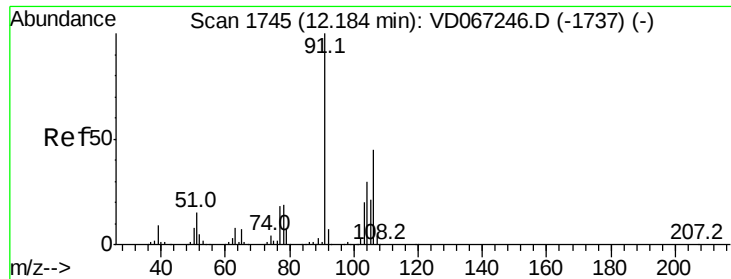
Tot Ion: 91 Resp: 759841
Ion Ratio Lower Upper
91 100
106 32.0 25.4 38.0



#68
m/p-Xylenes
Concen: 111.295 ug/l
RT: 11.86 min Scan# 1690
Delta R.T. 0.01 min
Lab File: VD067384.D
Acq: 26 Oct 2020 11:20

Tgt Ion: 106 Resp: 584449
Ion Ratio Lower Upper
106 100
91 201.6 163.8 245.8

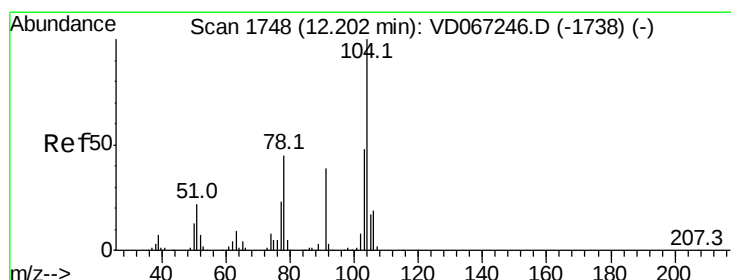
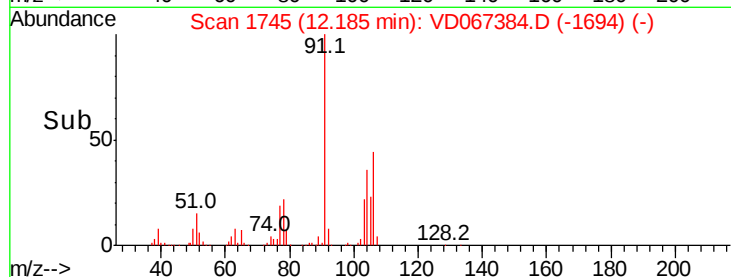
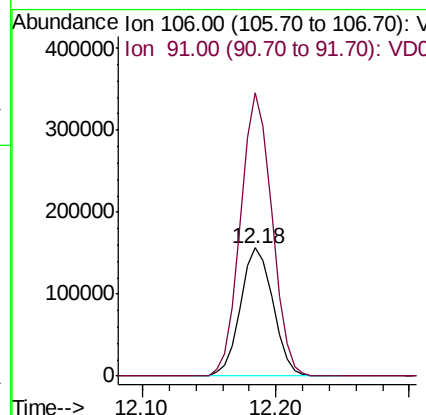
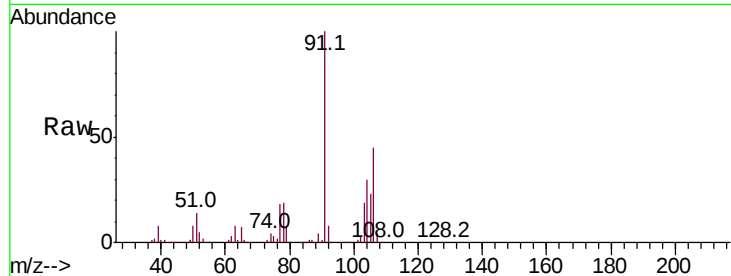




#69
o-Xylene
Concen: 54.322 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD067384.D
Acq: 26 Oct 2020 11:20

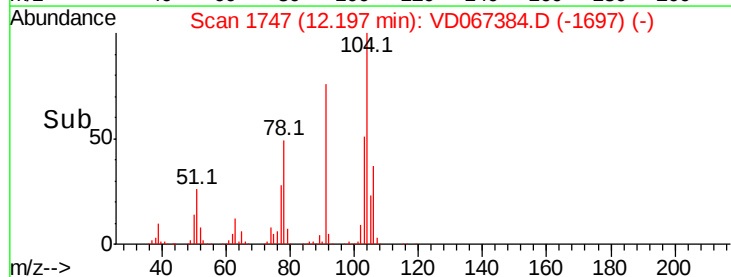
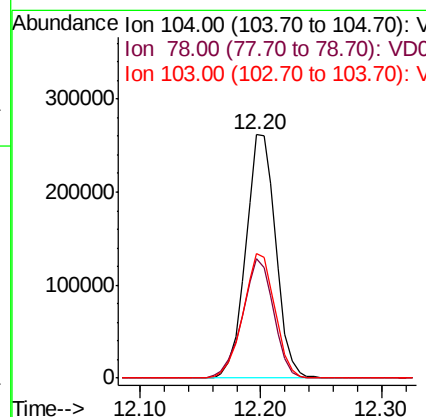
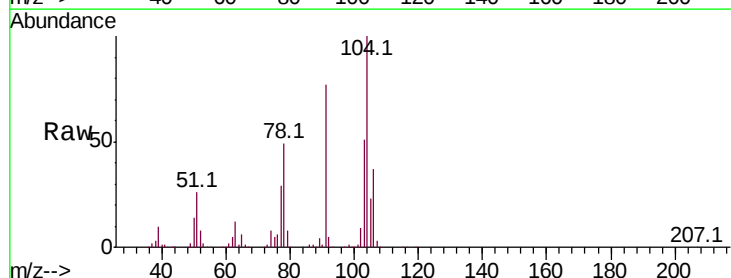
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

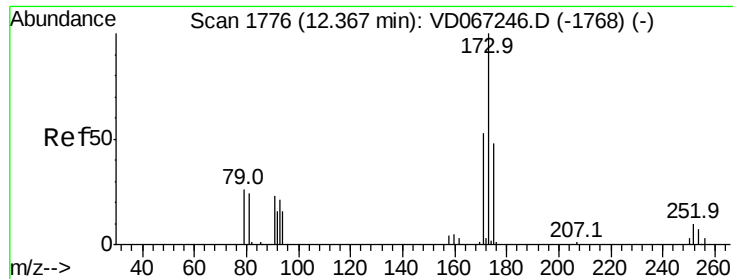
Tot Ion:106 Resp: 264159
Ion Ratio Lower Upper
106 100
91 213.8 109.1 327.3



#70
Styrene
Concen: 54.198 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.01 min
Lab File: VD067384.D
Acq: 26 Oct 2020 11:20

Tgt Ion:104 Resp: 453691
Ion Ratio Lower Upper
104 100
78 50.9 39.8 59.6
103 54.0 42.6 64.0





#71

Bromoform

Concen: 50.237 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VD067384.D

Acq: 26 Oct 2020 11:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

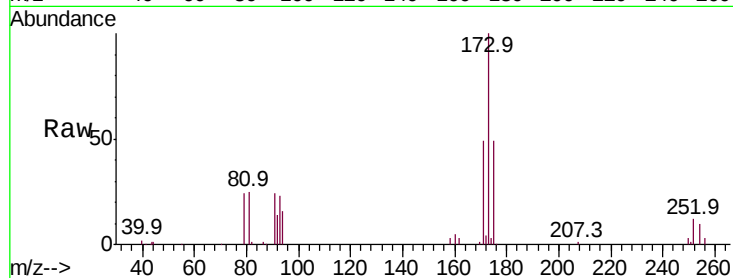
Tot Ion:173 Resp: 85332

Ion Ratio Lower Upper

173 100

175 47.7 24.2 72.6

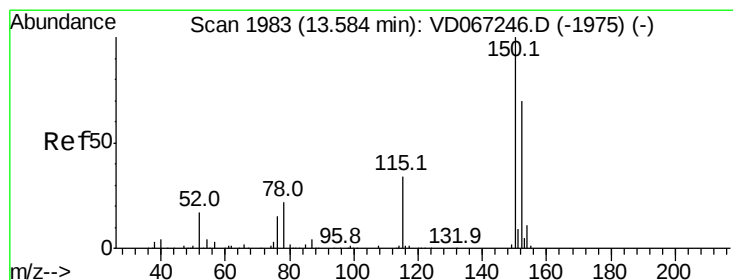
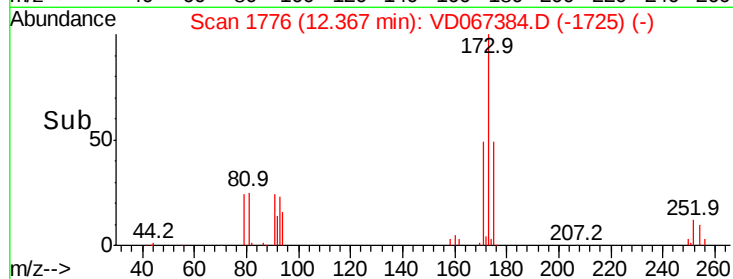
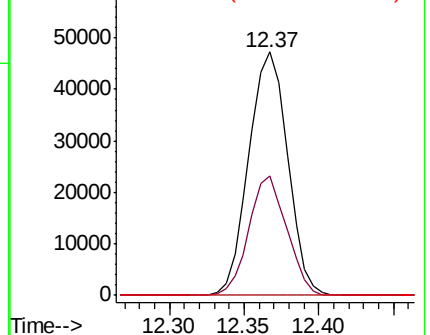
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. -0.01 min

Lab File: VD067384.D

Acq: 26 Oct 2020 11:20

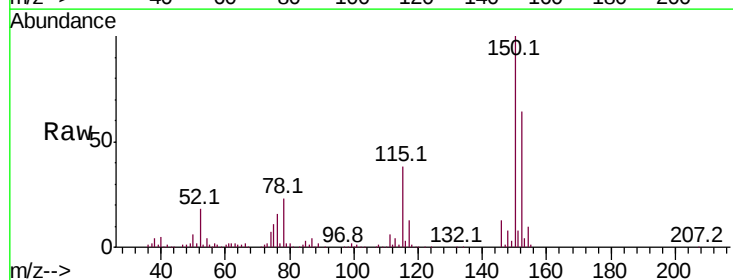
Tgt Ion:152 Resp: 206220

Ion Ratio Lower Upper

152 100

115 59.6 29.3 87.9

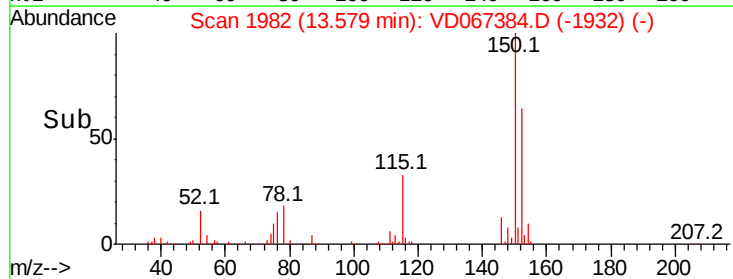
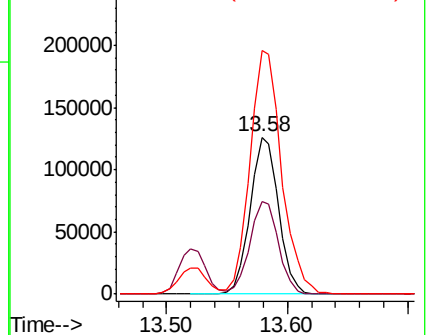
150 172.8 0.0 339.0

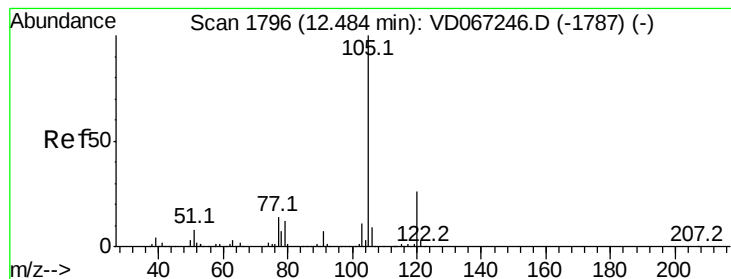


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 58.235 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD067384.D

Acq: 26 Oct 2020 11:20

Instrument :

MSVOA_D

ClientSampleId :

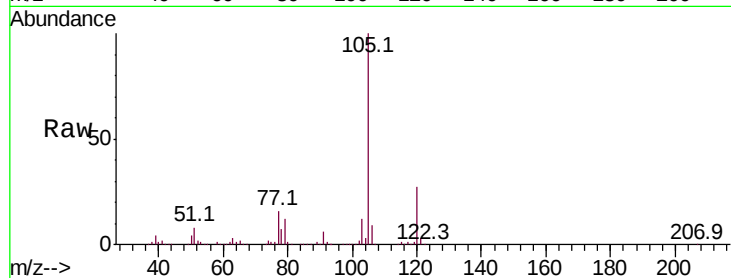
VSTDCCC050

Tot Ion:105 Resp: 762185

Ion Ratio Lower Upper

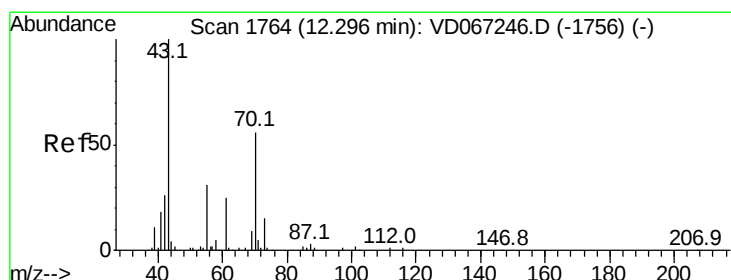
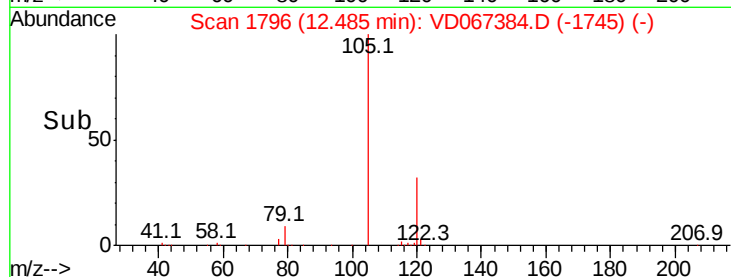
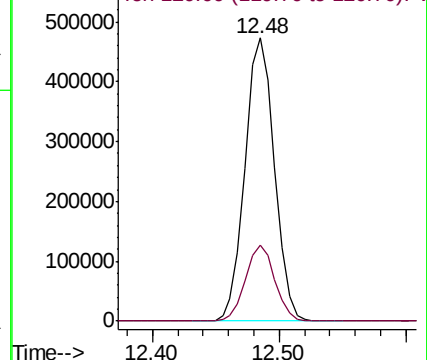
105 100

120 26.8 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 49.657 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VD067384.D

Acq: 26 Oct 2020 11:20

Tgt Ion: 43 Resp: 98159

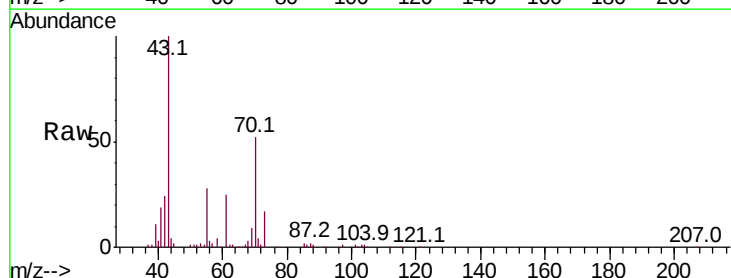
Ion Ratio Lower Upper

43 100

70 54.2 42.7 64.1

55 29.2 24.0 36.0

61 27.1 22.2 33.4

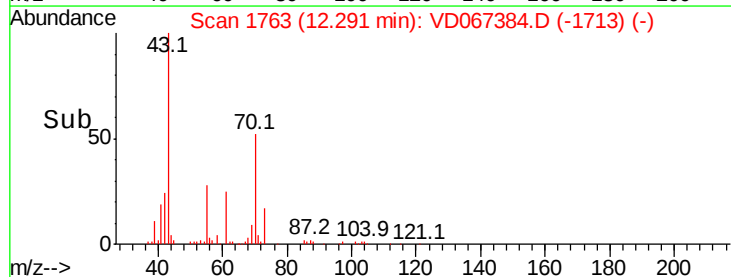
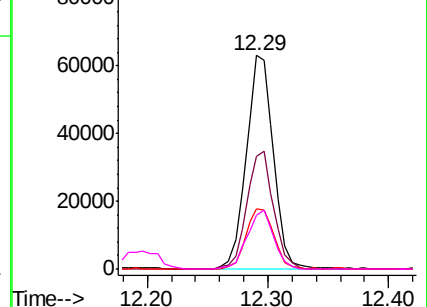


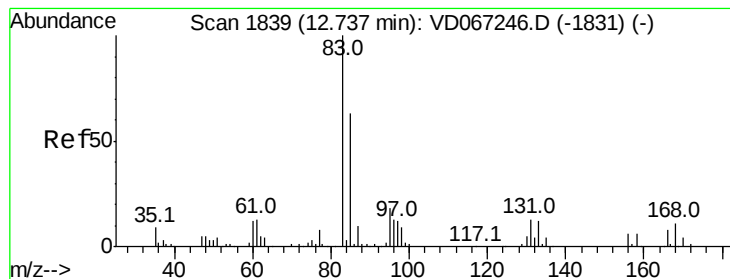
Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 48.879 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD067384.D

Acq: 26 Oct 2020 11:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

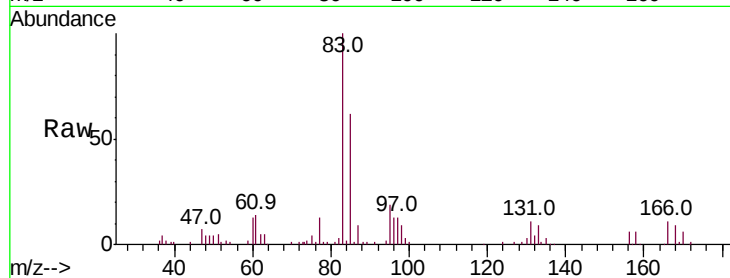
Tot Ion: 83 Resp: 98021

Ion Ratio Lower Upper

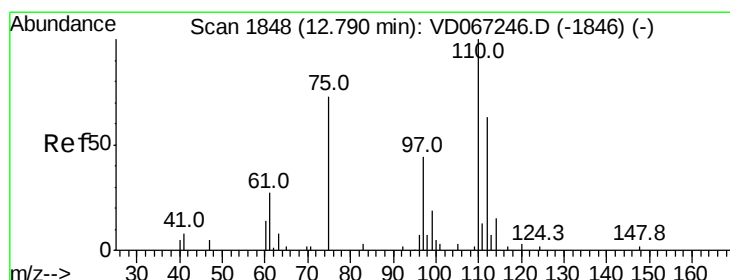
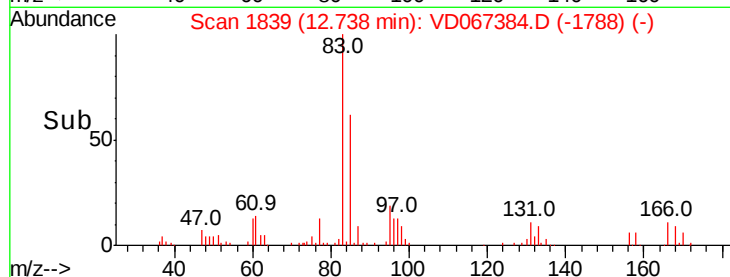
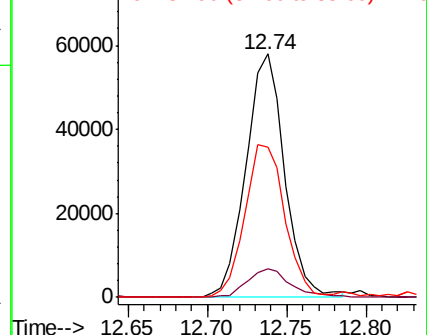
83 100

131 13.1 6.5 19.5

85 65.0 32.6 97.7



Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 130.80 (130.50 to 131.50): VDC
Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 95.808 ug/l

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD067384.D

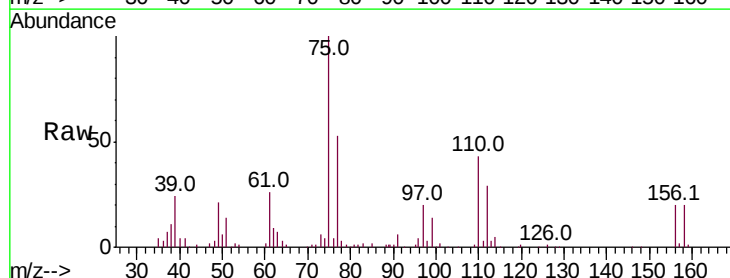
Acq: 26 Oct 2020 11:20

Tgt Ion: 75 Resp: 136938

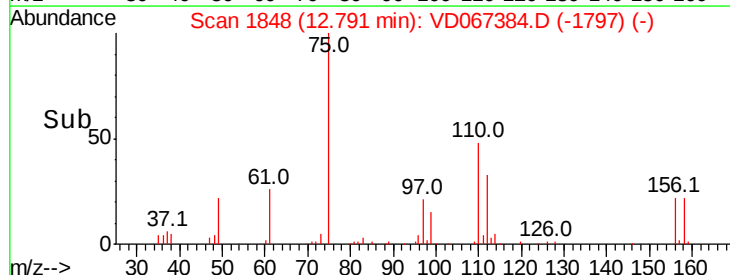
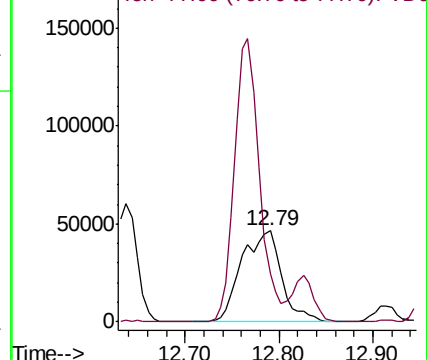
Ion Ratio Lower Upper

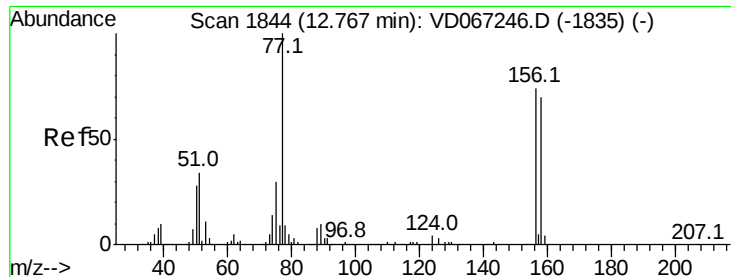
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 54.243 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD067384.D

Acq: 26 Oct 2020 11:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

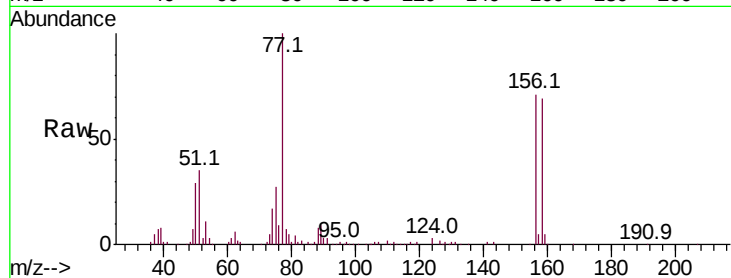
Tot Ion:156 Resp: 176996

Ion Ratio Lower Upper

156 100

77 150.9 78.0 233.8

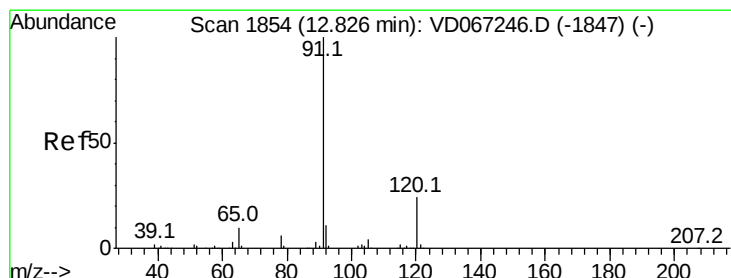
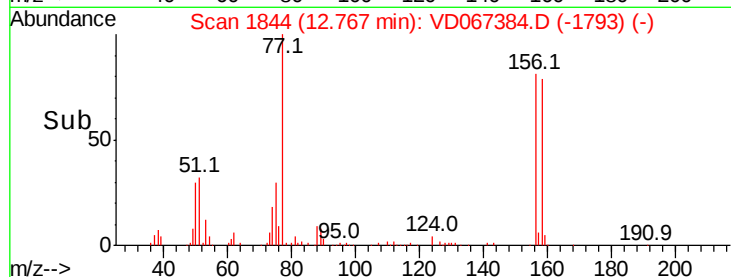
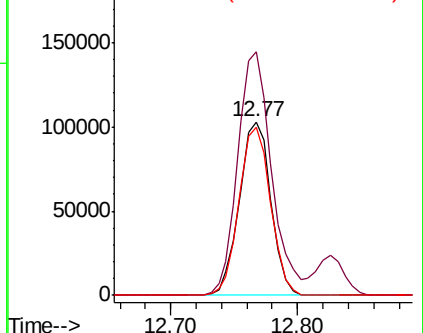
158 97.3 49.1 147.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 57.879 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD067384.D

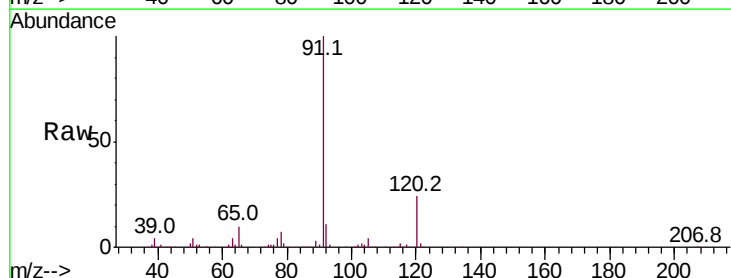
Acq: 26 Oct 2020 11:20

Tgt Ion: 91 Resp: 877688

Ion Ratio Lower Upper

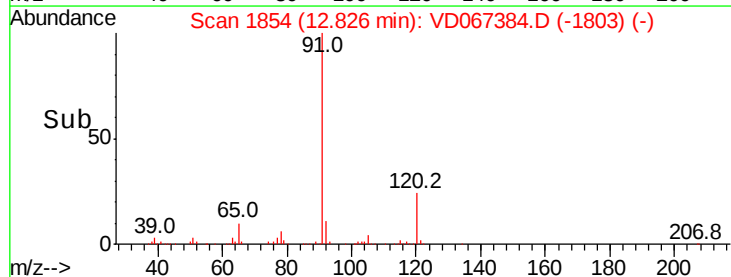
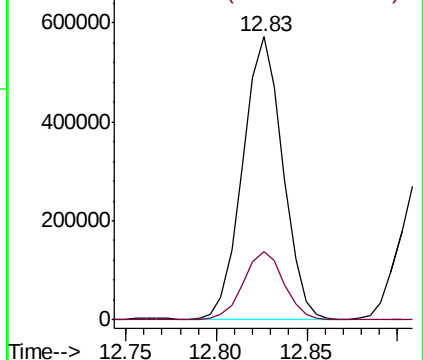
91 100

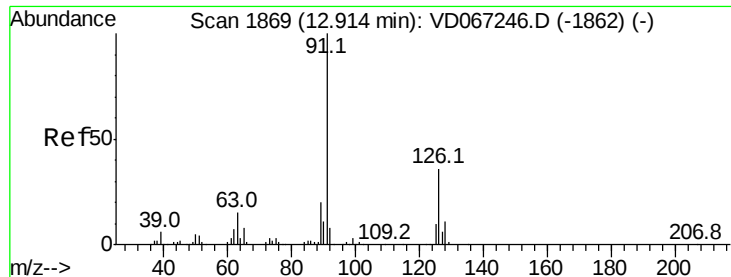
120 24.5 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 55.225 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD067384.D

Acq: 26 Oct 2020 11:20

Instrument :

MSVOA_D

ClientSampleId :

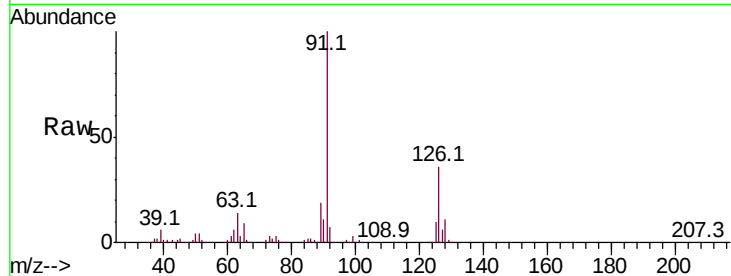
VSTDCCC050

Tot Ion: 91 Resp: 485647

Ion Ratio Lower Upper

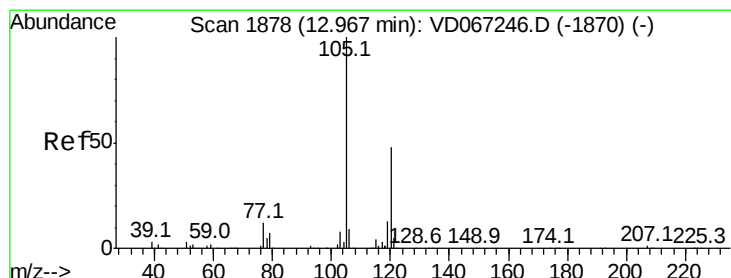
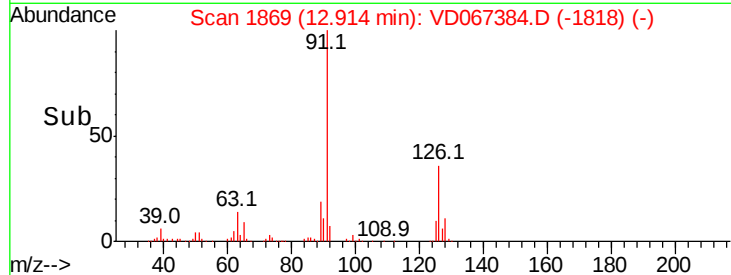
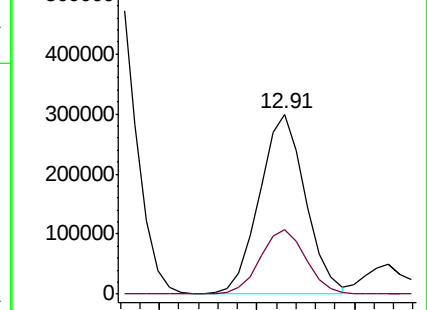
91 100

126 36.0 17.6 52.8



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 57.638 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD067384.D

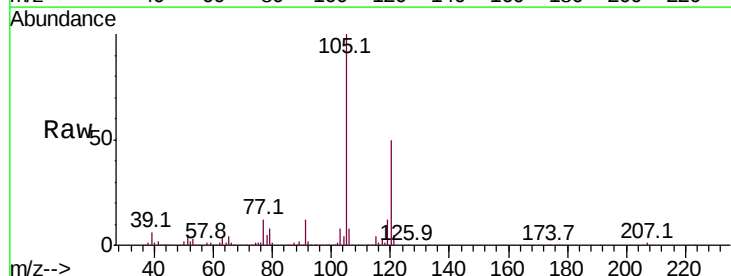
Acq: 26 Oct 2020 11:20

Tgt Ion: 105 Resp: 655545

Ion Ratio Lower Upper

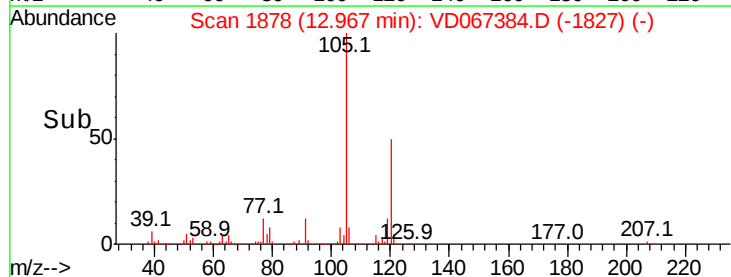
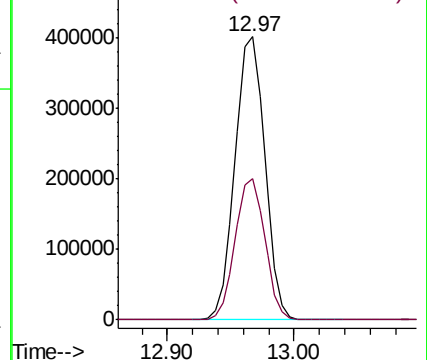
105 100

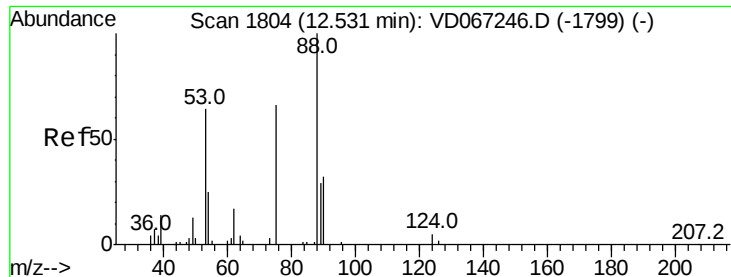
120 49.7 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 50.209 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VD067384.D

Acq: 26 Oct 2020 11:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

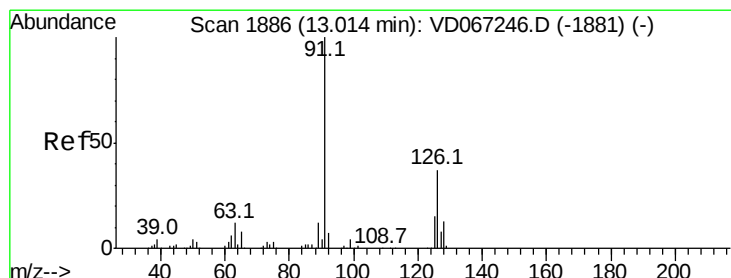
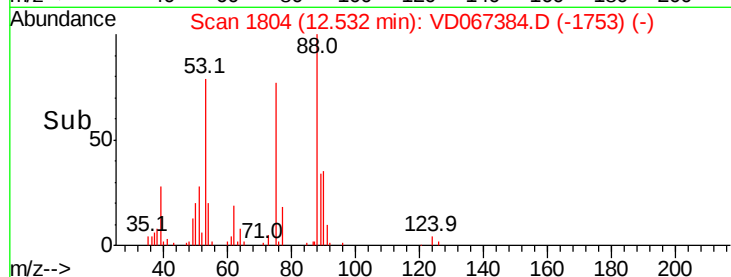
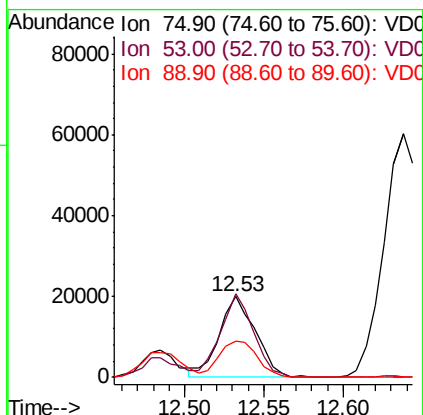
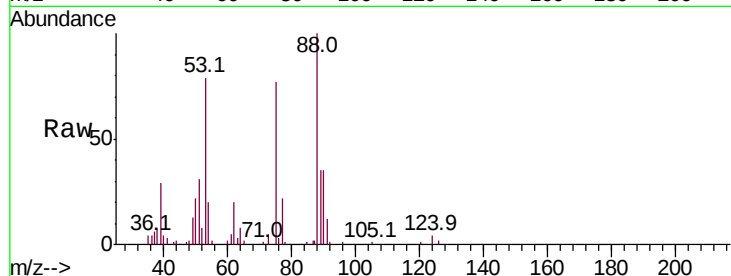
Tot Ion: 75 Resp: 31646

Ion Ratio Lower Upper

75 100

53 94.3 78.5 117.7

89 47.7 39.9 59.9



#82

4-Chlorotoluene

Concen: 55.678 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. -0.01 min

Lab File: VD067384.D

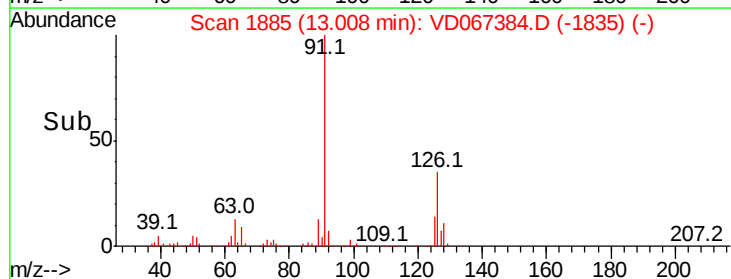
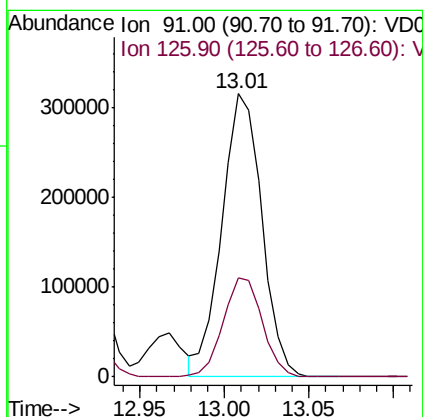
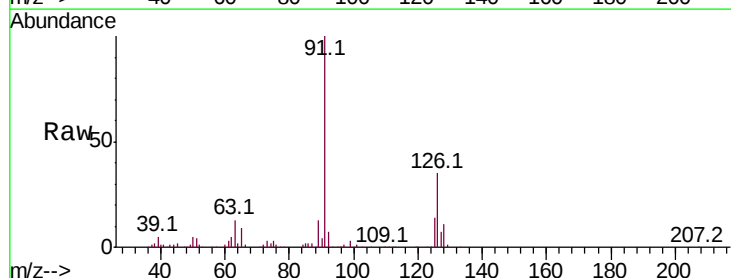
Acq: 26 Oct 2020 11:20

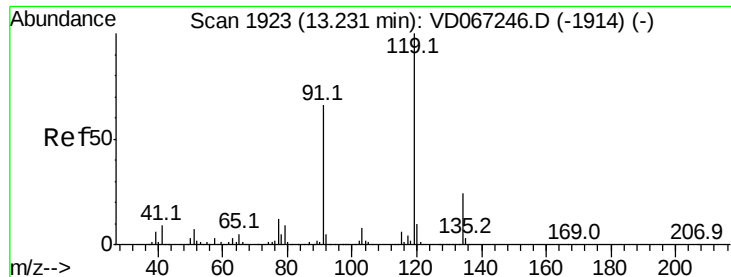
Tgt Ion: 91 Resp: 519678

Ion Ratio Lower Upper

91 100

126 34.5 17.8 53.5

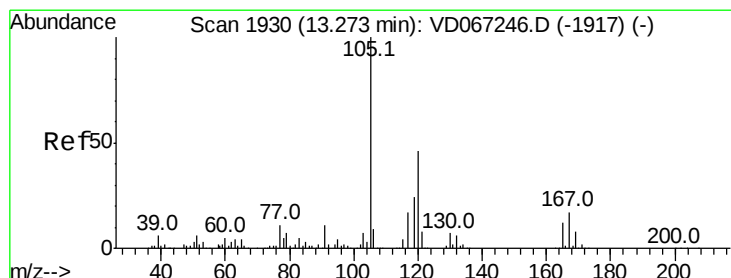
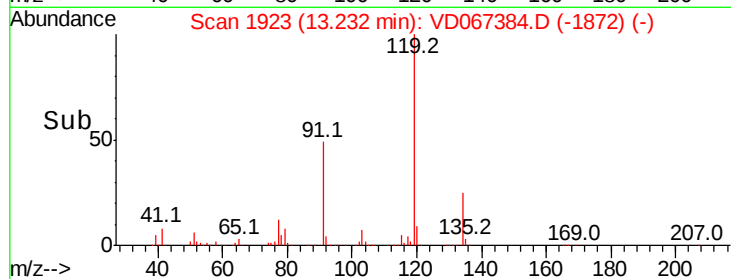
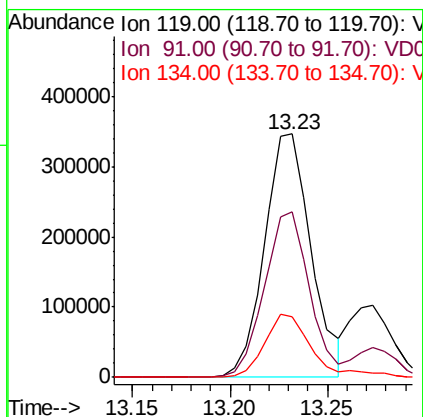
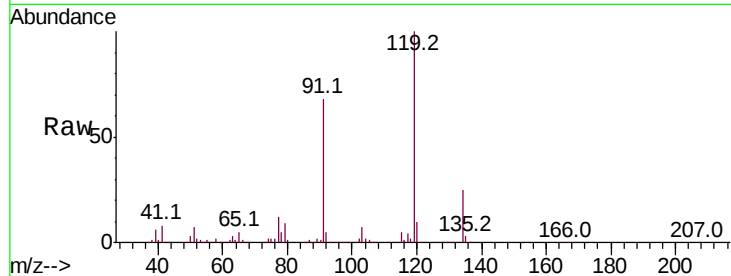




#83
tert-Butylbenzene
Concen: 59.854 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD067384.D
Acq: 26 Oct 2020 11:20

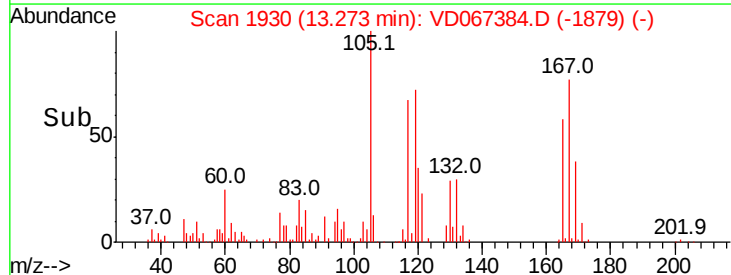
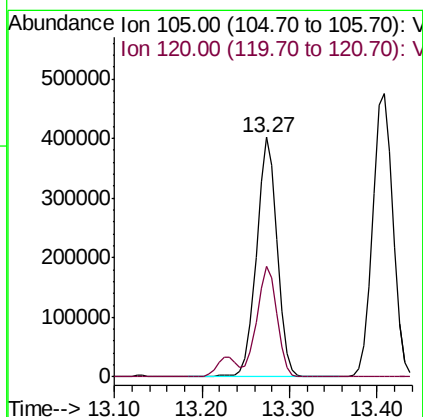
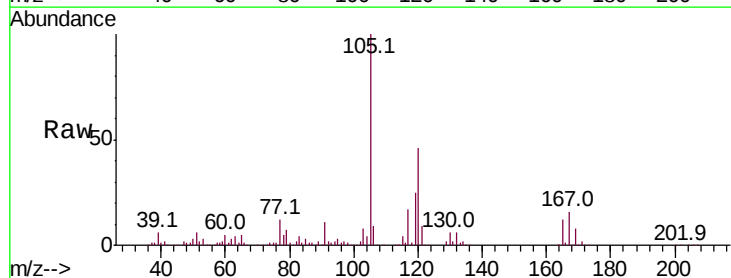
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

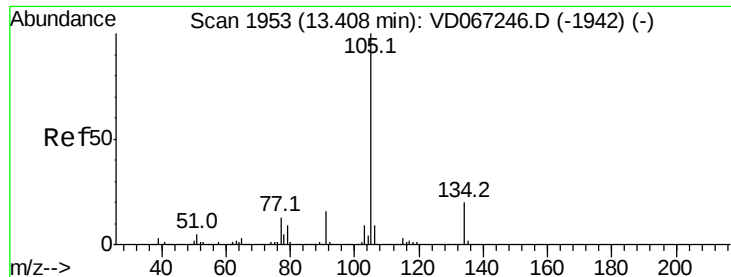
Tot Ion:119 Resp: 575035
Ion Ratio Lower Upper
119 100
91 65.5 33.1 99.2
134 26.7 13.3 39.9



#84
1,2,4-Trimethylbenzene
Concen: 57.176 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD067384.D
Acq: 26 Oct 2020 11:20

Tgt Ion:105 Resp: 642730
Ion Ratio Lower Upper
105 100
120 45.6 22.4 67.3





#85

sec-Butylbenzene

Concen: 58.408 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD067384.D

Acq: 26 Oct 2020 11:20

Instrument :

MSVOA_D

ClientSampleId :

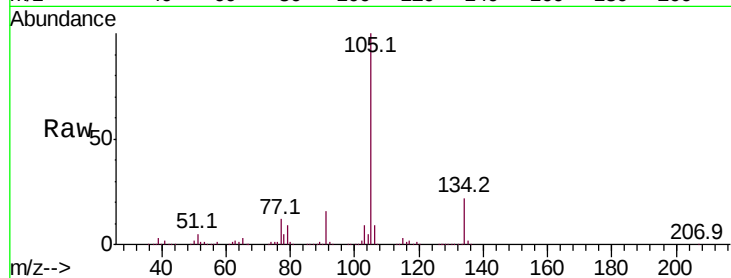
VSTDCCC050

Tot Ion:105 Resp: 769976

Ion Ratio Lower Upper

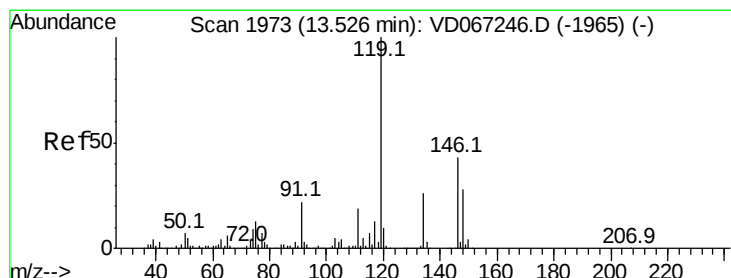
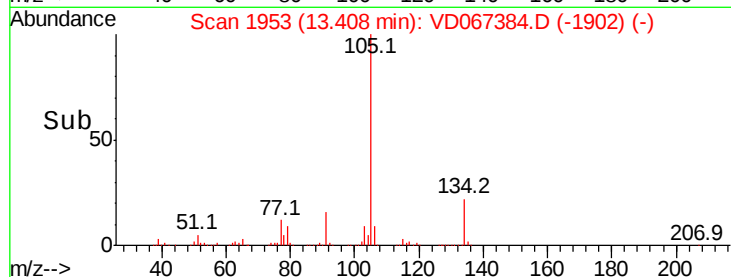
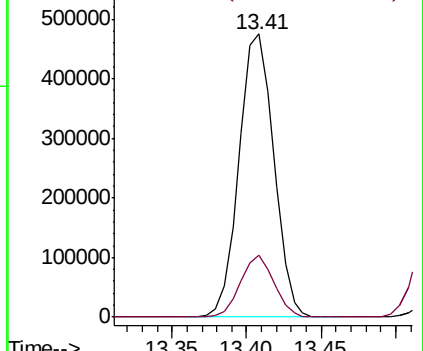
105 100

134 20.9 10.5 31.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 58.237 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.01 min

Lab File: VD067384.D

Acq: 26 Oct 2020 11:20

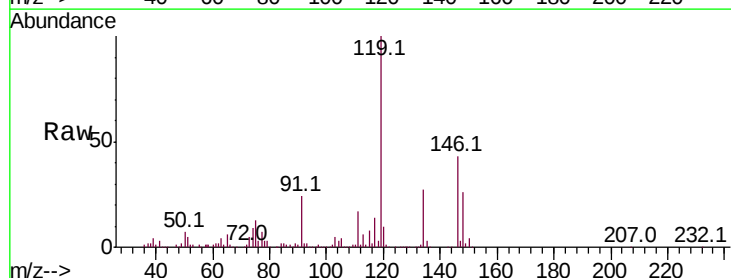
Tgt Ion:119 Resp: 724627

Ion Ratio Lower Upper

119 100

134 26.6 13.1 39.3

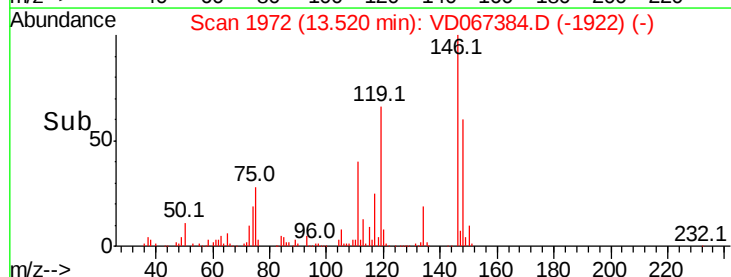
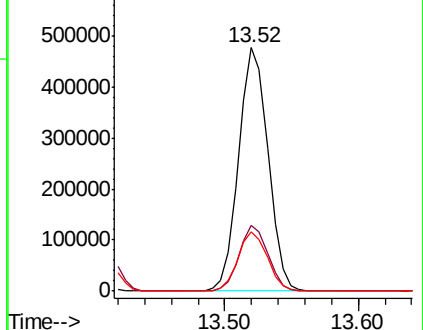
91 24.3 11.9 35.9

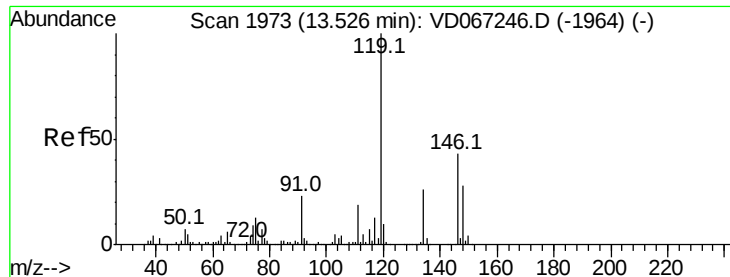


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

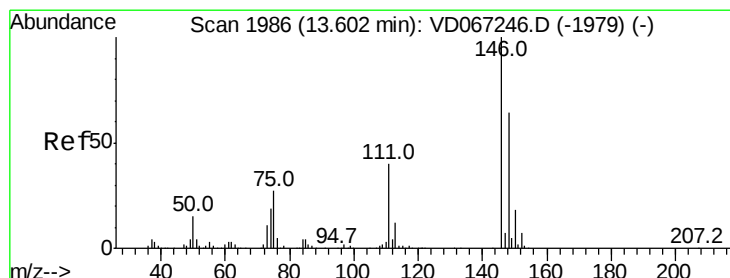
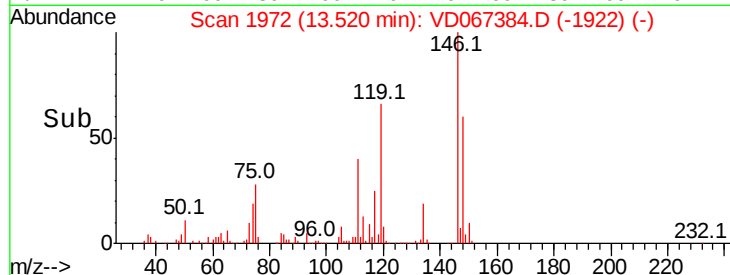
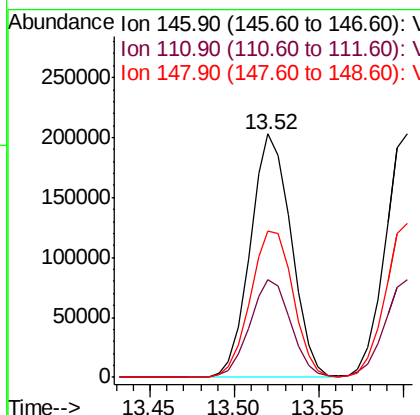
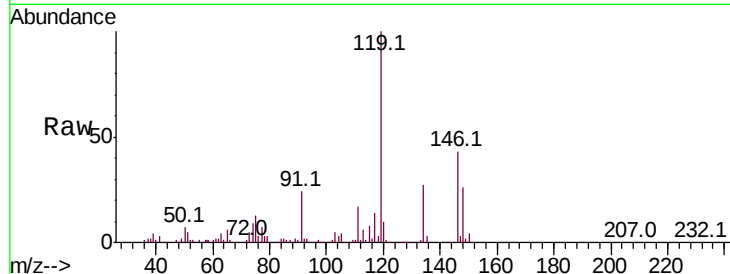




#87
 1,3-Dichlorobenzene
 Concen: 54.077 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.01 min
 Lab File: VD067384.D
 Acq: 26 Oct 2020 11:20

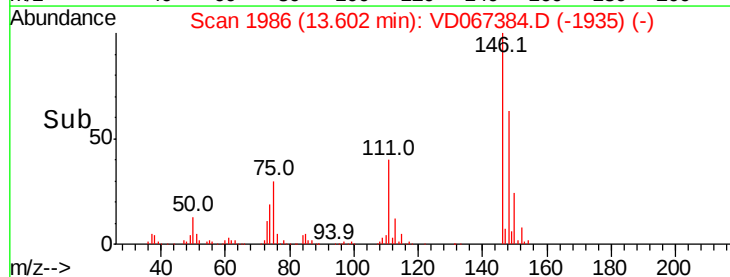
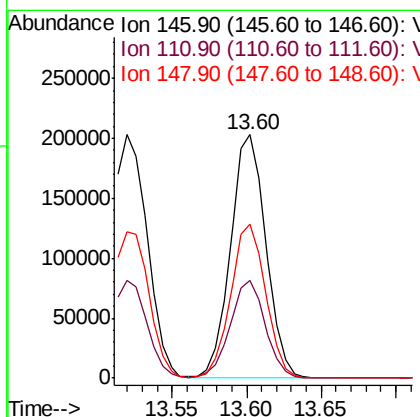
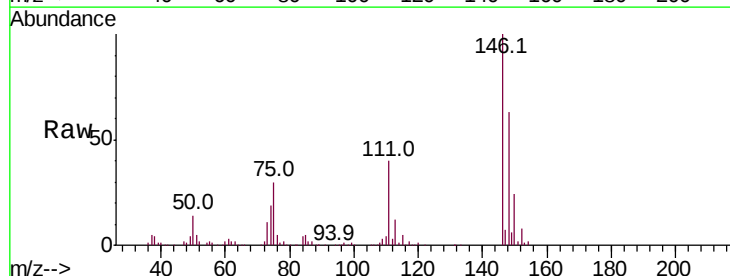
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

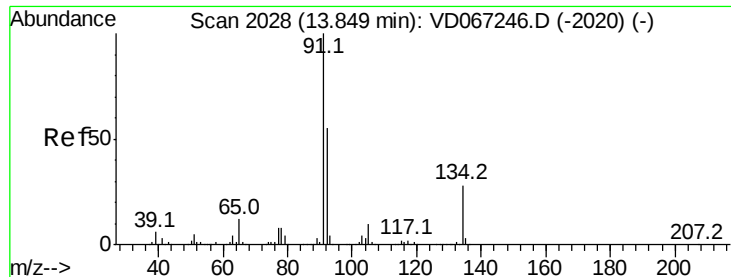
Tot Ion:146 Resp: 339632
 Ion Ratio Lower Upper
 146 100
 111 40.3 21.1 63.3
 148 62.9 31.9 95.9



#88
 1,4-Dichlorobenzene
 Concen: 53.926 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD067384.D
 Acq: 26 Oct 2020 11:20

Tgt Ion:146 Resp: 335554
 Ion Ratio Lower Upper
 146 100
 111 40.1 19.9 59.7
 148 62.5 31.9 95.9

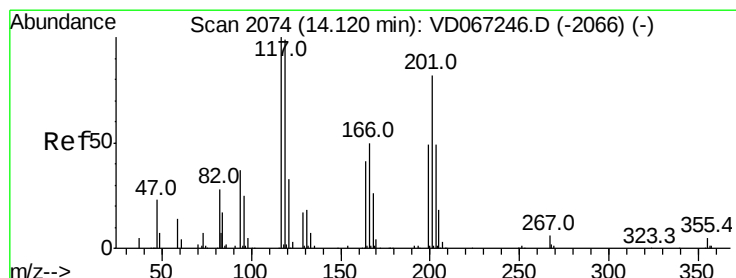
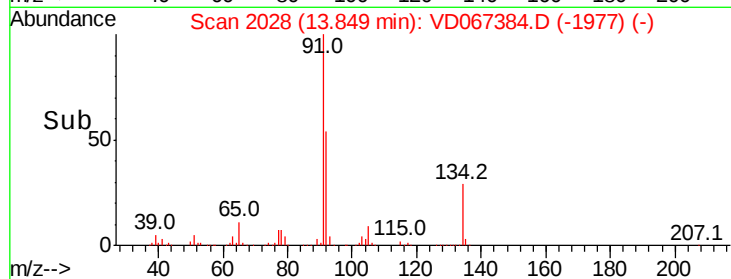
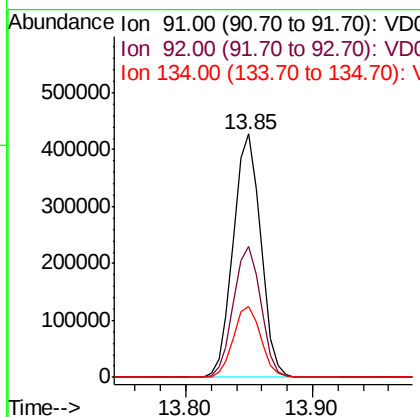
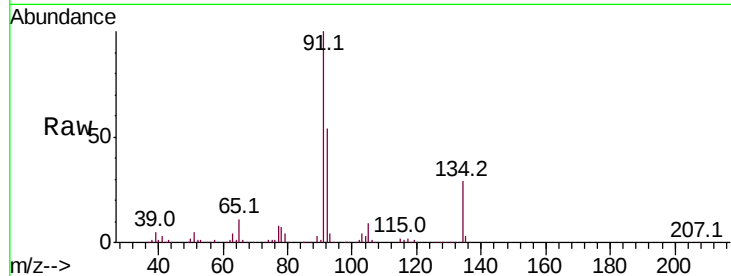




#89
n-Butylbenzene
Concen: 58.617 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD067384.D
Acq: 26 Oct 2020 11:20

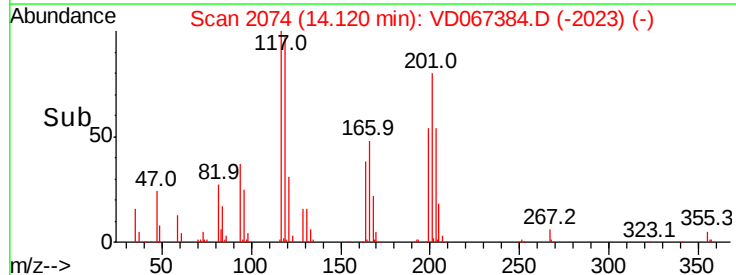
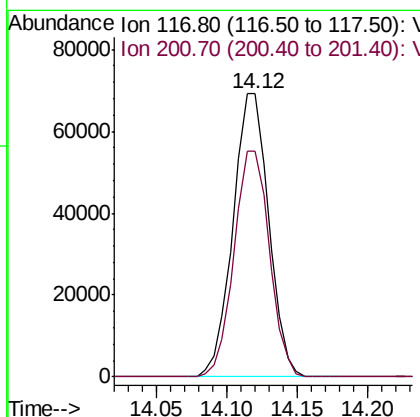
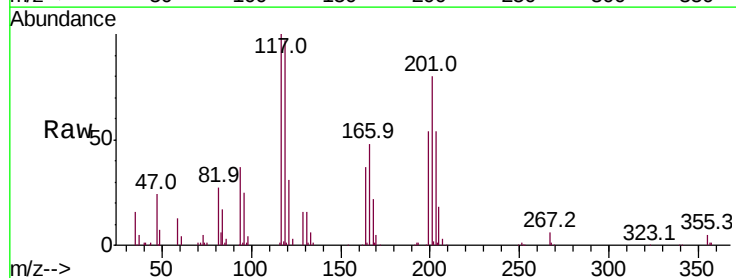
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

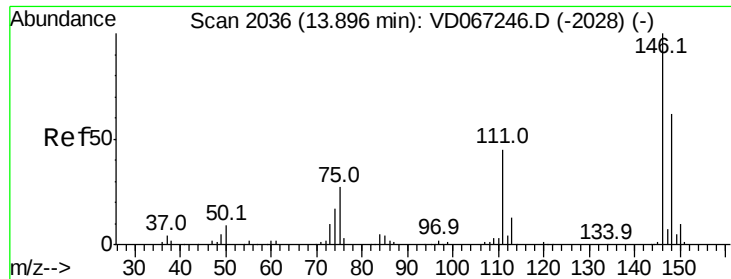
Tot Ion: 91 Resp: 641643
Ion Ratio Lower Upper
91 100
92 53.7 26.7 80.0
134 29.0 14.2 42.6



#90
Hexachloroethane
Concen: 56.504 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD067384.D
Acq: 26 Oct 2020 11:20

Tgt Ion: 117 Resp: 122688
Ion Ratio Lower Upper
117 100
201 79.2 40.8 122.2

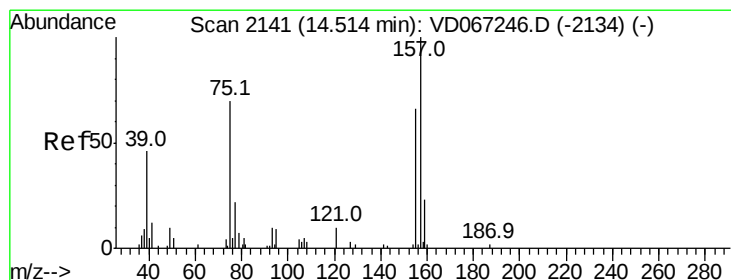
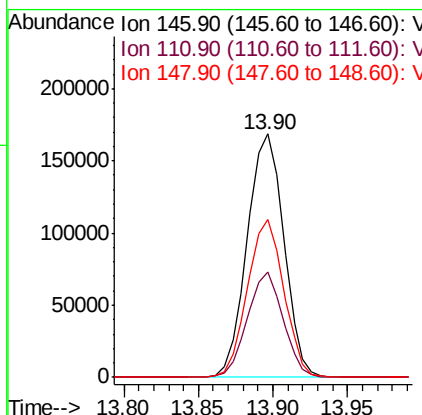
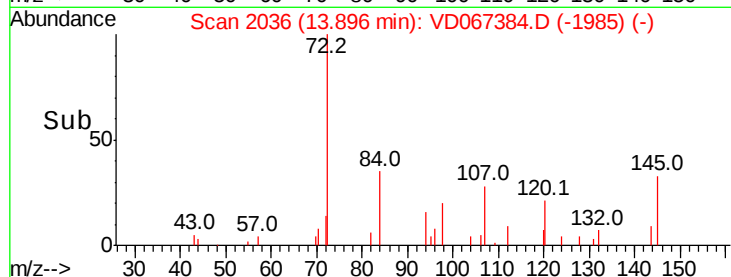
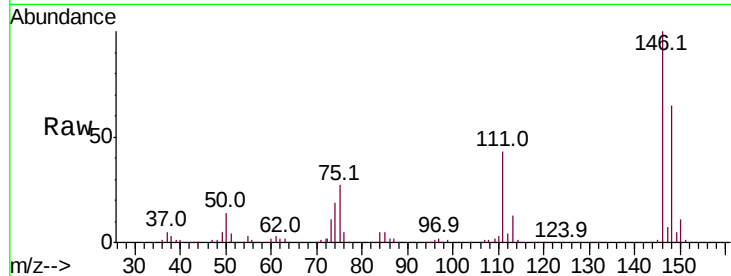




#91
 1,2-Dichlorobenzene
 Concen: 52.181 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD067384.D
 Acq: 26 Oct 2020 11:20

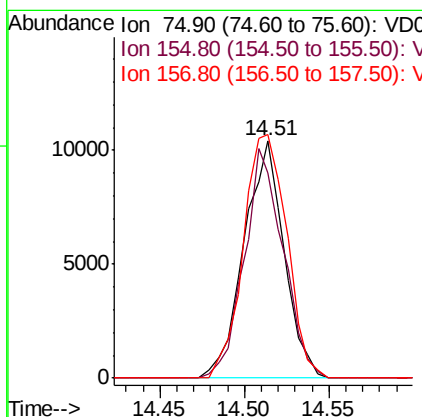
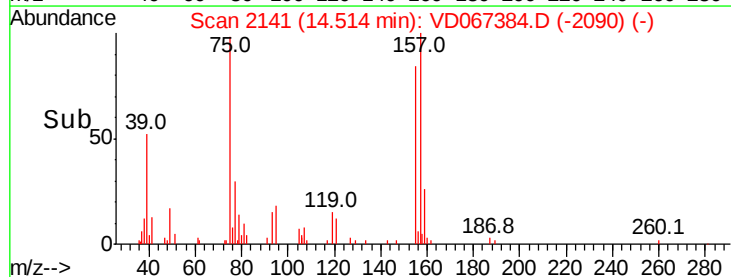
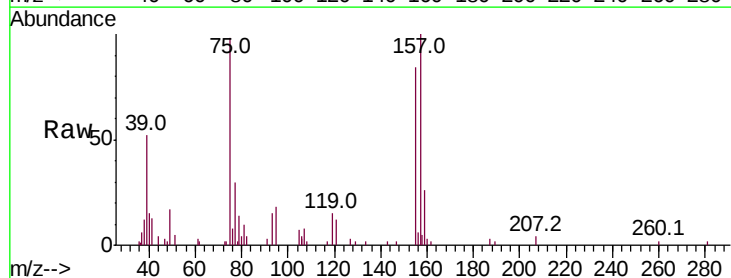
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

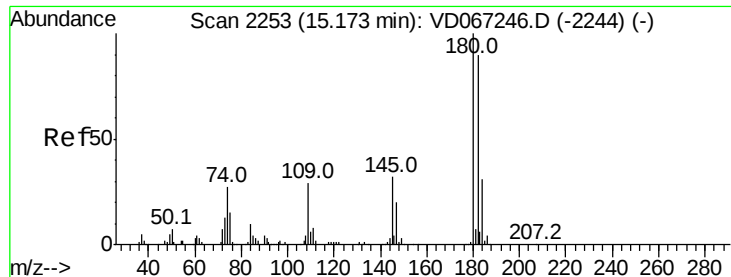
Tot Ion	Ratio	Lower	Upper
146	100		
111	42.1	22.0	66.0
148	64.4	32.5	97.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.156 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. 0.00 min
 Lab File: VD067384.D
 Acq: 26 Oct 2020 11:20

Tgt Ion	Ratio	Lower	Upper
75	100		
155	94.3	44.8	134.4
157	111.2	62.5	187.4

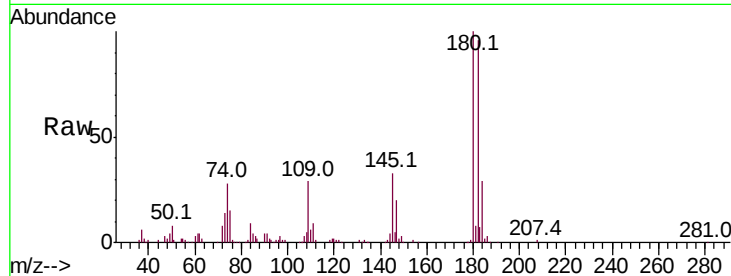




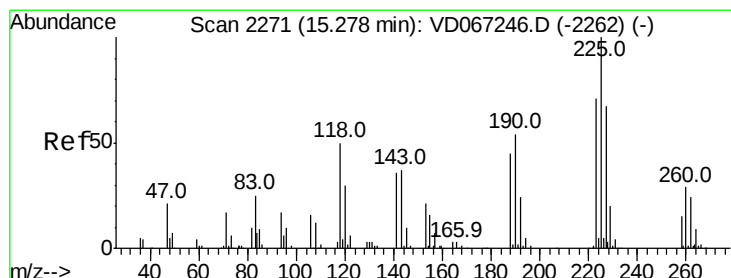
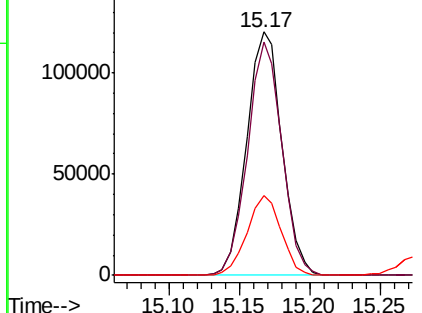
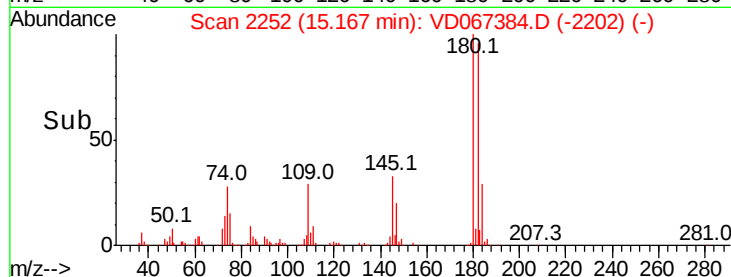
#93
 1,2,4-Trichlorobenzene
 Concen: 56.812 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.01 min
 Lab File: VD067384.D
 Acq: 26 Oct 2020 11:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.3	48.1	144.4
145	32.0	16.3	48.9

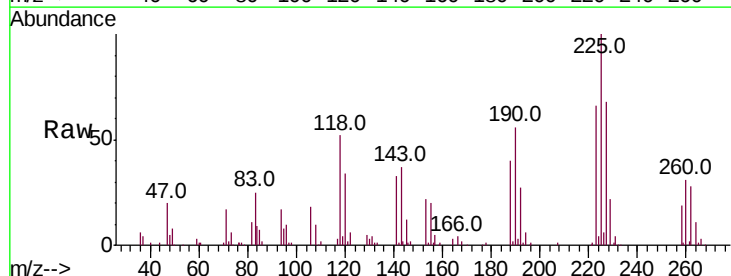


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

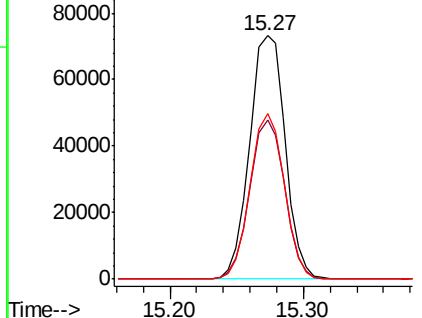
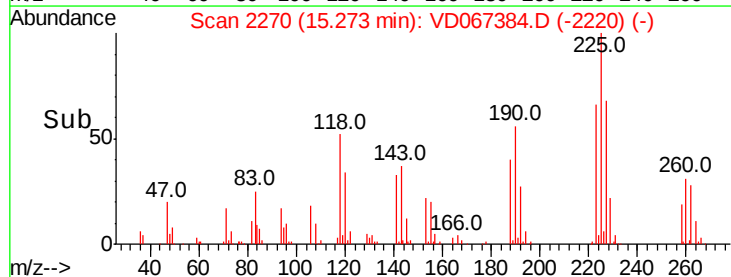


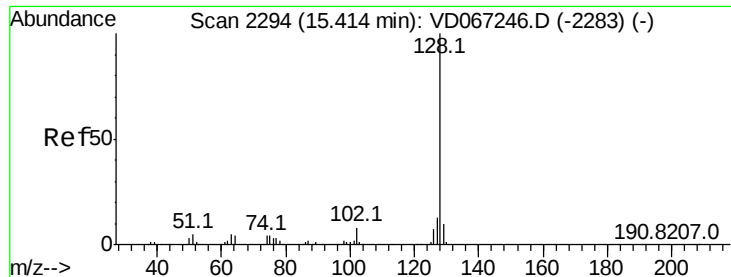
#94
 Hexachlorobutadiene
 Concen: 58.515 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. -0.01 min
 Lab File: VD067384.D
 Acq: 26 Oct 2020 11:20

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.3	31.9	95.7
227	65.4	31.2	93.6



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V

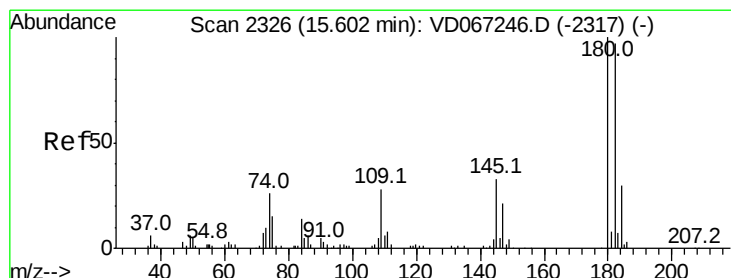
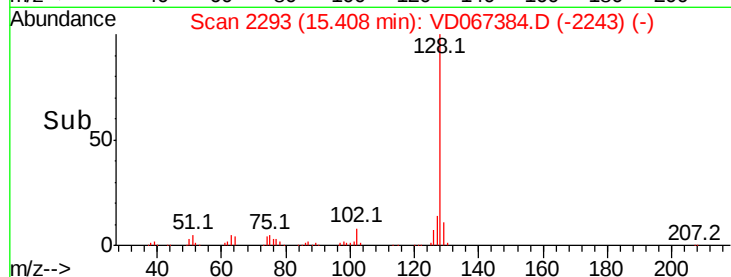
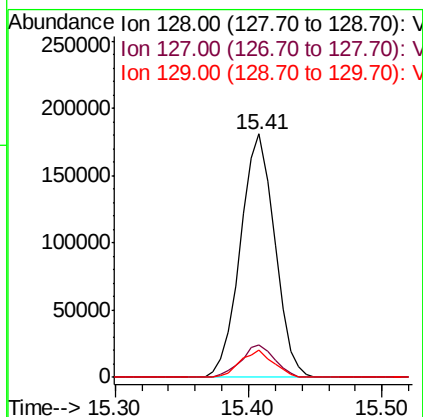
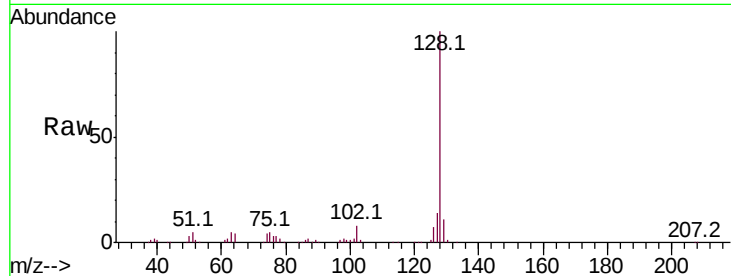




#95
Naphthalene
Concen: 52.951 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. -0.01 min
Lab File: VD067384.D
Acq: 26 Oct 2020 11:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 321594
Ion Ratio Lower Upper
128 100
127 13.3 10.4 15.6
129 10.7 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 53.509 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. 0.00 min
Lab File: VD067384.D
Acq: 26 Oct 2020 11:20

Tgt Ion:180 Resp: 171003
Ion Ratio Lower Upper
180 100
182 98.4 48.1 144.3
145 35.9 17.3 51.9

